

A large, stylized letter 'A' is formed using the characters 'S' and 'Y'. The 'S' characters are arranged in a grid-like pattern to form the left and right sides of the letter, while 'Y' characters form the central vertical stem and the diagonal crossbars. The overall shape is a bold, blocky 'A' that fills most of the page.

```
PPPPPPPP      AAAAAA      RRRRRRRR      AAAAAA      MM      MM      EEEEEEEEEEE      TTTTTTTTTT      EEEEEEEEEEE      RRRRRRRR
PPPPPPPP      AAAAAA      RRRRRRRR      AAAAAA      MM      MM      EEEEEEEEEEE      TTTTTTTTTT      EEEEEEEEEEE      RRRRRRRR
PP      PP      AA      AA      RR      RR      AA      AA      MMMM      MMMM      EE      TT      EE      RR      RR
PP      PP      AA      AA      RR      RR      AA      AA      MMMM      MMMM      EE      TT      EE      RR      RR
PP      PP      AA      AA      RR      RR      AA      AA      MM      MM      EE      TT      EE      RR      RR
PP      PP      AA      AA      RR      RR      AA      AA      MM      MM      EE      TT      EE      RR      RR
PPPPPPPP      AA      AA      RRRRRRRR      AA      AA      MM      MM      EEEEEEEEE      TT      EEEEEEEEE      RRRRRRRR
PPPPPPPP      AA      AA      RRRRRRRR      AA      AA      MM      MM      EEEEEEEEE      TT      EEEEEEEEE      RRRRRRRR
PP      AAAAAAAAAA      RR      RR      AAAAAAAAAA      MM      MM      EE      TT      EE      RR      RR
PP      AAAAAAAAAA      RR      RR      AAAAAAAAAA      MM      MM      EE      TT      EE      RR      RR
PP      AA      AA      RR      RR      AA      AA      MM      MM      EE      TT      EE      RR      RR
PP      AA      AA      RR      RR      AA      AA      MM      MM      EE      TT      EE      RR      RR
PP      AA      AA      RR      RR      AA      AA      MM      MM      EEEEEEEEEEE      TT      EEEEEEEEEEE      RR      RR
PP      AA      AA      RR      RR      AA      AA      MM      MM      EEEEEEEEEEE      TT      EEEEEEEEEEE      RR      RR
```

```
LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS
```

PARAMETER  
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16-SEP-1984 00:45:38 VAX/VMS Macro V04-00

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PAR  
V04

PARAMETER  
V04-000

- PARAMETER DESCRIPTORS FOR SYSPARAM<sup>J 11</sup>

16-SEP-1984 00:45:38 VAX/VMS Macro V04-00  
5-MAR-1980 00:52:39 [SYS.SRC]PRMSW.MAR;1

Page 1  
(1)

00000001 0000 1 PRMSW=1

; SET SWITCH TO GENERATE PARAMETER DESCRIPTO

PAR  
V04



```

0000 1 :*****
0000 2 :*
0000 3 :*
0000 4 :*
0000 5 :*
0000 6 :*
0000 7 :*
0000 8 :*
0000 9 :*
0000 10 :*
0000 11 :*
0000 12 :*****
0000 13 :
0000 14 :.IF DEFINED GETSYISW
0000 15 :.TITLE GETSYI - DEFINE SYSTEM PARAMETERS FOR GETSYI
0000 16 :.IF_FALSE
0000 17 :.IF NDF,PRMSW
0000 18 :.TITLE SYSPARAM - SYSTEM PARAMETERS
0000 19 :.IFF
0000 20 :.TITLE PARAMETER - PARAMETER DESCRIPTORS FOR SYSPARAM
0000 21 :.ENDC
0000 22 :.ENDC
0000 23 :.IDENT 'V04-000'
0000 24 :
0000 25 :
0000 26 :*****
0000 27 :*
0000 28 :*
0000 29 :*
0000 30 :*
0000 31 :*
0000 32 :*
0000 33 :*
0000 34 :*
0000 35 :*
0000 36 :*
0000 37 :*
0000 38 :*
0000 39 :*
0000 40 :*
0000 41 :*
0000 42 :*
0000 43 :*
0000 44 :*
0000 45 :*
0000 46 :*
0000 47 :*****
0000 48 :
0000 49 :
0000 50 :++
0000 51 : FACILITY: EXECUTIVE DATA BASE
0000 52 :
0000 53 : ABSTRACT:
0000 54 : SYSPARAM CONTAINS THE EXECUTIVE CONTROL PARAMETERS AND CERTAIN
0000 55 : KEY VARIABLES.
0000 56 :
0000 57 : ENVIRONMENT:

```

```

0000 58 :
0000 59 : AUTHOR: R. I. HUSTVEDT, CREATION DATE: 09-OCT-1977
0000 60 :
0000 61 : MODIFIED BY:
0000 62 :
0000 63 : V03-080 DWT0238 David W. Thiel 24-Aug-1984
0000 64 : Change default value of QDSKINTERVAL to 20 seconds.
0000 65 :
0000 66 : V03-079 MRO0470 Michael I. Rosenblum 13-Aug-1984
0000 67 : make tty_defport a specail sysgen parameter
0000 68 :
0000 69 : V03-078 CDS0004 Christian D. Saether 06-Aug-1984
0000 70 : Fix bug initializing exe$gl_static_flags
0000 71 : introduced by cds0003.
0000 72 :
0000 73 : V03-077 WMC0075 Wayne Cardoza 06-Aug-1984
0000 74 : Make SRP default 96.
0000 75 :
0000 76 : V03-076 WMC0074 Wayne Cardoza 30-Jul-1984
0000 77 : Raise minimum working set parameters.
0000 78 :
0000 79 : V03-075 DWT0231 David W. Thiel 25-Jul-1984
0000 80 : Raise RECNXINTERVAL to 60 seconds.
0000 81 :
0000 82 : V03-074 DWT0230 David W. Thiel 25-Jul-1984
0000 83 : Raise RECNXINTERVAL to 20. Make QDSKINTERVAL non-dynamic.
0000 84 :
0000 85 : V03-073 WMC0073 Wayne Cardoza 23-Jul-1984
0000 86 : Raise max VIRTUALPAGECNT.
0000 87 :
0000 88 : V03-072 BLS0334 Benn Schreiber 23-JUL-1984
0000 89 : Raise default ENQLM,ASTLM,DIOLM and BIOLM parameters.
0000 90 :
0000 91 : V03-071 WHM0004 Bill Matthews 23-Jul-1984
0000 92 : Added a work station flag longword and defined the parameter
0000 93 : WS_OPA0. Made LGI_BRK_TERM default to true. Raised paging file
0000 94 : quota minimum from 256 to 512.
0000 95 :
0000 96 : V03-070 CDS0003 Christian D. Saether 20-Jul-1984
0000 97 : Add one more buffer pool, ACP_DINDXCACHE, to file system caches.
0000 98 : Add ACP_REBLDSYSD flag.
0000 99 :
0000 100 : V03-069 ACG0436 Andrew C. Goldstein, 12-Jul-1984 11:50
0000 101 : Add LGI_BRK_TERM and LGI_BRK_DISUSER parameters
0000 102 :
0000 103 : V03-069 CDS0002 Christian D. Saether 11-July-1984
0000 104 : Raise minimum ACP_HDRCACHE to 3.
0000 105 : Change default for ACP_MULTIPLE to 0.
0000 106 :
0000 107 : V03-068 JEJ0047 J E Johnson 06-Jul-1984
0000 108 : Change RMS_GBLBUFQUO to be a dynamic parameter.
0000 109 :
0000 110 : V03-067 WMC0067 Wayne Cardoza 06-Jun-1984
0000 111 : Fix PQL minimum working set parameters.
0000 112 : Raise PHYSICALPAGES limits.
0000 113 :
0000 114 : V03-066 HWS0069 Harold Schultz 24-May-1984

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0000	115	:	Change default size of CLISYMTBL from 40 to 60 pages.
0000	116	:	
0000	117	:	
0000	118	:	V03-065 WHM0003 Bill Matthews 20-Apr-1984
0000	119	:	Removed USESYSPARAMS. Use of the separate parameter file
0000	120	:	is now required.
0000	121	:	
0000	122	:	V03-064 MIR0400 Michael I. Rosenblum 10-Apr-1984
0000	123	:	Add TTY_DEFPORT default port function longword.
0000	124	:	
0000	125	:	V03-063 RAS0281 Ron Schaefer 09-Apr-1984
0000	126	:	Add RMS_DFNBC default network block count parameter.
0000	127	:	
0000	128	:	V03-062 WHM0002 Bill Matthews 04-Apr-1984
0000	129	:	Added USESYSPARAMS and WRITESYSPARAMS to support the
0000	130	:	default separate system parameter file.
0000	131	:	Changed the default for NPAGEDYN from 64000 to 131072(256 pages)
0000	132	:	Added support for ascii sysgen parameters longer than 4 bytes.
0000	133	:	Replaced SCSNODEL and SCSNODEH with SCSNODE.
0000	134	:	Replaced DISK QUORUM1-4 with DISK QUORUM.
0000	135	:	Changed SAVEDUMP from type SPECIAL to type SYS.
0000	136	:	Changed the units field for ACP_DATACHECK and ACP_SWPFLAGS
0000	137	:	from boolean to Bit-mask.
0000	138	:	
0000	139	:	V03-061 WMC0060 Wayne Cardoza 28-Mar-1984
0000	140	:	Add MMG\$GL_MAXMEM.
0000	141	:	
0000	142	:	V03-060 JEJ0013 J E Johnson 25-Mar-1984
0000	143	:	Add RMS_GBLBUFQUO sysgen parameter.
0000	144	:	
0000	145	:	V03-059 WMC0059 Wayne Cardoza 24-Mar-1984
0000	146	:	Add ACP_XQP_RES flag
0000	147	:	
0000	148	:	V03-058 LMPBUILD L. Mark Pilant, 19-Mar-1984 12:20
0000	149	:	Make sure that the cells moved in LMP0205 are added with
0000	150	:	the proper conditionals around them.
0000	151	:	
0000	152	:	V03-057 LMP0205 L. Mark Pilant, 7-Mar-1984 11:23
0000	153	:	Move EXE\$GL_DYNAMIC_FLAGS and EXE\$GL_STATIC_FLAGS from
0000	154	:	SYSCOMMON.
0000	155	:	
0000	156	:	V03-056 CDS0001 Christian D. Saether 28-Feb-1984
0000	157	:	Raise default and min size of pagedyn to account for
0000	158	:	xqp block caches. Also SYSMWCNT.
0000	159	:	
0000	160	:	V03-055 MMD0246 Meg Dumont, 27-Feb-1984 10:45
0000	161	:	Add support for \$MTACCESS installation specific accessibility
0000	162	:	routine
0000	163	:	
0000	164	:	V03-054 SSA0009 Stan Amway 13-Feb-1984
0000	165	:	Changed default for PFRATL to 0.
0000	166	:	
0000	167	:	V03-053 TMK0003 Todd M. Katz 02-Feb-1984
0000	168	:	Change the name of the SCS parameter PAPORTPOLL to PANOPOLL.
0000	169	:	Also change its address (from SCS\$GB_PAPPOOL to SCS\$GB_PANOPOLL)
0000	170	:	and its default value (from 1 to 0).
0000	171	:	
0000	171	:	V03-052 WHM0001 Bill Matthews 01-Feb-1984

0000 172 :  
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0000 226 :  
0000 227 :  
0000 228 :

Added new type for LGI\_ parameters.

V03-051 TMK0002 Todd M. Katz 30-Jan-1984  
Add the special parameters PE1,PE2,PE3,PE4,PE5,PE6 for use  
by the PEDRIVER.

Add the SCS parameter PAPORTPOLL. If this boolean parameter is  
set, the local CI port(s) will poll remote ports. If it isn't it  
won't.

Change the following SYSGEN parameters' DEFAULT, MAX, MIN etc..

1. Change the DEFAULT of MAXBUF from 1568 to 1584.
2. Change the DEFAULT of SCSSYSTEMID from 1 to 0.
3. Change the MIN of PAMAXPORT from -1 to 0.
4. Change the MAX of PAMAXPORT from -1 to 223.
5. Change the ADDRESS of PAMAXPORT from SCSS\$GW\_PAMXPORT to  
SCSS\$GB\_PAMXPORT.
6. Change the size of PAMAXPORT from WORD to BYTE.

V03-050 WMC0048 Wayne Cardoza 16-Jan-1984  
CJF related parameters must be made SPECIAL and defaulted  
off.

V03-049 JLV0328 Jake VanNoy 11-JAN-1984  
Add TTY\_TIMEOUT and TTY\_AUTOCHAR.

V03-048 KTA3097 Kerbey T. Altmann 10-Jan-1984  
Set date to 1984.

V03-047 WMC0047 Wayne Cardoza 19-Dec-1983  
WSMAX max is 64000 not 65280.  
Make MMG\$GW\_BIGPFN a new cell.

V03-046 LMP0177 L. Mark Pilant, 7-Dec-1983 11:32  
Add a dynamic parameter to control whether or not  
non-discretionary classification checks are to be performed.

V03-045 SSA0003 Stan Amway 5-Dec-1983  
Added DORMANTWAIT to support outswap scheduling changes.  
Changed units and default for LONGWAIT.

V03-044 DWT0150 David W. Thiel 18-Nov-1983  
Add LOCKDIRWT and QDSKVOTES parameters. Deleted old  
VAXCLUSTER bit and define new VAXLCUSTER as a byte.  
Reorder cluster parameters. Make ALLOCLASS non-dynamic.  
Change PAPOLLINTERVAL default from 15 to 5 seconds.  
Change SCSSMAXMSG default from 96 to 112.  
Change SRPSIZE default from 96 to 128 to close hole  
between SRP and IRP allocation pending a more complete  
examination of pool allocation.

V03-043 TMK0001 Todd M. Katz 12-Oct-1983  
Add PQL\_DJTQUOTA and PQL\_MJTQUOTA - the default and minimum  
byte creation quotas for job-wide logical name tables.

V03-042 ACG0360 Andrew C. Goldstein, 21-Sep-1983 16:25



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0000 229 : Change defaults for LGI_xxx breakin parameters
0000 230 :
0000 231 : V03-041 ACG0350 Andrew C. Goldstein, 19-Aug-1983 17:56
0000 232 : Raise MAXBUF minimum to 1200 to allow BACKUP to work
0000 233 :
0000 234 : V03-040 GAS0162 Gerry Smith 30-Jul-1983
0000 235 : Add LGI_PWD_TMO, the system password drop dead time.
0000 236 :
0000 237 : V03-039 NPK3030 N. Kronenberg 29-Jul-1983
0000 238 : Change PAMAXPORT maximum from 223 to -1.
0000 239 :
0000 240 : V03-038 RAS0179 Ron Schaefer 29-Jul-1983
0000 241 : Delete LOGPHASHTBL, LOGGHASHTBL, LOGSHASHTBL.
0000 242 : Change default of IMGIOCNT from 32 to 64.
0000 243 : Change default of RMS_EXTEND from 80 to 0.
0000 244 :
0000 245 : V03-037 KFH0004 Ken Henderson 28 Jul 1983
0000 246 : Add MAXQUEPRI, DEFQUEPRI, QDSKINTERVAL
0000 247 : Remove JOBQUEUES, REINITQUE, MAXPRINTSYMB
0000 248 : Change VMS_CLUSTER to VAXCLUSTER
0000 249 : Modify default of RECNXINTERVAL from 3 to 10
0000 250 :
0000 251 : V03-036 NPK3029 N. Kronenberg 26-Jul-1983
0000 252 : Tune up the SCS and PA parameters. Remove PASTRETRY.
0000 253 : Add PAMXPORT, PASANITY.
0000 254 :
0000 255 : V03-035 MSH0002 Maryann Hinden 08-Jul-1983
0000 256 : Add cluster quorum disk parameters.
0000 257 :
0000 258 : V03-034 GAS0142 Gerry Smith 20-Jun-1983
0000 259 : Add the login security parameters.
0000 260 :
0000 261 : V03-033 PCA1015 Paul C. Anagnostopoulos 13-Jun-1983
0000 262 : Fix the valid ranges for the STARTUP_Pn parameters.
0000 263 :
0000 264 : V03-032 TCM0002 Trudy C. Matthews 1-Jun-1983
0000 265 : Add ALLOCLASS parameter, a cluster parameter that defines
0000 266 : the device allocation class for this system.
0000 267 :
0000 268 : V03-031 SRB0086 Steve Beckhardt 24-May-1983
0000 269 : Made LOCKIDTBL_MAX dynamic.
0000 270 :
0000 271 : V03-030 JSV0295 Joost Verhofstad 20-MAY-1983
0000 272 : Add SYSGEN parameters CJFLOAD and CJFSYSRUJ
0000 273 :
0000 274 : V03-029 KFH0003 Ken Henderson 20 May 1983
0000 275 : Increased default values:
0000 276 : SPTREQ 720 -> 896
0000 277 : GBLPAGES 3072 -> 4096
0000 278 : GBLSECTIONS 80 -> 128
0000 279 :
0000 280 : V03-028 KDM0044 Kathleen D. Morse 03-May-1983
0000 281 : Add EXE$GL_ARCHFLAG.
0000 282 :
0000 283 : V03-027 PCA1015 Paul C. Anagnostopoulos 28-Apr-1983
0000 284 : Add TAILORED parameter to specify whether or not this system
0000 285 : is tailored (has a library disk).
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0000 286 : Add STARTUP Pn parameters for passing information to the
0000 287 : system startup procedure.
0000 288 :
0000 289 : V03-026 SRB0081 Steve Beckhardt 28-Apr-1983
0000 290 : Added new parameter LOCKIDTBL_MAX.
0000 291 :
0000 292 : V03-025 RNG0025 Rod Gamache 21-Apr-1983
0000 293 : Change default value of MAXBUF to be more flexible
0000 294 : for the DEUNA device driver.
0000 295 :
0000 296 : V03-024 KFH0002 Ken Henderson 14 Apr 1983
0000 297 : Modify call to SYI_ITEM_CODE to
0000 298 : support Ascii sysnode name.
0000 299 :
0000 300 : V03-023 MIR0030 Michael I. Rosenblum 14-Apr-1983
0000 301 : Make line editing the default
0000 302 :
0000 303 : V03-022 TCM0001 Trudy C. Matthews 8-Apr-1983
0000 304 : Allow WSMAX to grow to 65280.
0000 305 :
0000 306 : V03-021 MSH0001 Maryann Hinden 25-Mar-1983
0000 307 : Add ASCII type. Correct default for SCSNODEH.
0000 308 :
0000 309 : V03-020 DWT0080 David W. Thiel 1-Mar-1983
0000 310 : Define cluster class of parameters containing
0000 311 : QUORUM, VOTES, and CNXRETRYINT.
0000 312 :
0000 313 : V03-019 JWH0191 Jeffrey W. Horn 28-Feb-1983
0000 314 : Change default value for PIOPAGES.
0000 315 :
0000 316 : V03-018 KFH0001 Ken Henderson 15 Feb 1983
0000 317 : Added conditionals for GETSYISW, to let
0000 318 : this file be used to define the sysboot
0000 319 : parameters for SYSSGETSYI/F$GETSYI/LIB$GETSYI
0000 320 : *****
0000 321 : ONE SIDE EFFECT OF THIS MOD IS TO REQUIRE THAT ALL
0000 322 : ALLOCATION OF MEMORY CELLS BE CONDITIONALIZED TO NOT
0000 323 : HAPPEN IF GETSYISW IS DEFINED.
0000 324 : *****
0000 325 :
0000 326 : V03-017 RNG0017 Rod N. Gamache 11-Feb-1983
0000 327 : Change default value for PHYSICALPAGES.
0000 328 :
0000 329 : V03-016 DWT0071 David W. Thiel 28-Jan-1983
0000 330 : Add VMS CLUSTER parameter and corresponding
0000 331 : LOADCLUSTR bit in SGN$GL_LOADFLAGS.
0000 332 : Add PRCPOLINTERVAL parameter with global name
0000 333 : SCS$GW_PRCPOLINT.
0000 334 :
0000 335 : V03-015 STJ3053 Steven T. Jeffreys 21-Jan-1983
0000 336 : Added LOADERAPAT and LOADCHKPRT parameters, and defined
0000 337 : SGN$GL_LOADFLAGS, a system global longword to control
0000 338 : the loading of various pieces of the EXEC.
0000 339 :
0000 340 : V03-014 KTA3029 Kerbey T. Altmann 11-Jan-1983
0000 341 : Set date to 1983.
0000 342 :

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0000	343	V03-013	SRB0057	Steve Beckhardt	16-Dec-1982
0000	344		Increased maximum size of LOCKIDTBL to 65535.		
0000	345				
0000	346	V03-012	DMW4016	DMWalp	15-Dec-1982
0000	347		Added parameters for size of new logical name hash tables		
0000	348				
0000	349	V03-011	JWH0117	Jeffrey W. Horn	29-Oct-1982
0000	350		Add PIOPAGES CTLPAGES, and CTLMGLIM.		
0000	351		Change maximum of PHYSICALPAGES to 65536.		
0000	352		Change default of SCSSYSTEMIDH to 0.		
0000	353				
0000	354	V03-010	KTA3016	Kerbey T. Altmann	21-Oct-1982
0000	355		Add SCSNODENAME.		
0000	356				
0000	357	V03-009	HRJ0064	Herb Jacobs	21-Apr-1982
0000	358		Fix default values of RMS_DFMBC, RMS_EXTEND, MPW_LOLIMIT.		
0000	359				
0000	360	V03-008	JLV0208	Jake Vannoy	15-Apr-1982
0000	361		Fix default values for TTY_SILOTIME, WSINC, WSDEC.		
0000	362				
0000	363	V03-007	JLV0207	Jake VanNoy	5-APR-1982
0000	364		Add some smarts to PARAMETER macro to ignore dynamic		
0000	365		bits if they are not in EXESGL_DEFFLAGS. This prevents		
0000	366		the dynamic bits in STJ0249 from being included in		
0000	367		PRMSM_DYNFLAGS.		
0000	368				
0000	369	V03-006	STJ0249	Steven T. Jeffreys	01-Apr-1982
0000	370		Add global longword for system message flags. Define		
0000	371		EXESV MOUNTMSG and EXESV DISMOUNTMSG to control operator		
0000	372		notification of mounts and dismounts, respectively.		
0000	373		By default, both are disabled.		
0000	374				
0000	375	V03-005	MLJ0085	Martin L. Jack	01-Apr-1982
0000	376		Add EXESV JOBQUEUES, EXESV REINITQUE to control initialization		
0000	377		of JBCSYSQUE by job controller.		
0000	378				
0000	379	V03-004	PHLOG41	Peter H. Lipman	01-Apr-1982
0000	380		Default setting for SAVEDUMP must be off.		
0000	381				
0000	382	V03-003	HRJ0061	Herb Jacobs	28-Mar-1982
0000	383		Fix categories for /MAJOR, /SYS, /SYSGEN, correct		
0000	384		some default values, and change global name of SWPFILCNT.		
0000	385				
0000	386	V03-002	PHL0040	Peter H. Lipman	22-Mar-1982
0000	387		Add EXESV PAGFILDMP, EXESV SAVEDUMP, EXESGW_PGFL_FID		
0000	388		to support the dump file in the page file.		
0000	389				
0000	390	V03-001	JLV0193	Jake VanNoy	15-MAR-1982
0000	391		Add TTY_SILOTIME. Change defaults for TTY_OWNER and TTY_PROT		
0000	392		and PQL_ENQLM. Change names of TTYSCANDelta to TTY_SCANDelta		
0000	393		and DIACTYPE to TTY_DIALTYPE.		
0000	394				
0000	395				



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0000 397      .SBTTL  DECLARATIONS
0000 398      :
0000 399      : INCLUDE FILES:
0000 400      :
0000 401      $SYIDF      : DEFINE SYSSGETSYI ITEM CODES
0000 402      $PQLDEF     : DEFINE QUOTA LIST CODES
0000 403      $PRMDEF     : DEFINE PARAMETER DESCRIPTOR
0000 404      $SGNDEF     : SYSGEN CONSTANTS
0000 405      $TTDEF      : DEFINE TERMINAL CHARACTERISTICS
0000 406      $TT2DEF     : DEFINE MORE TERMINAL DEFINITIONS
0000 407      :
0000 408      :
0000 409      : MACRO TO GENERATE PARAMETER DESCRIPTOR IF PRMSW IS TRUE OTHERWISE
0000 410      : SIMPLY DEFINE PARAMETERS
0000 411      :
0000 412      :
0000 413      : MACROS:
0000 414      :
0000 415      :
0000 416      .MACRO PFNALC  SIZE,SYMLST
0000 417      .IRP      SYM,<SYMLST>
0000 418      DEFINE    PFN&A'SIZE'_'SYM
0000 419      .ENDR
0000 420      .ALIGN    LONG
0000 421      .LONG      0
0000 422      .ENDM      PFNALC
0000 423      :
0000 424      .MACRO  PARAMETER,ADDRESS,NAME,TYPE=STATIC,DEFAULT=0,MIN=-1,MAX=-1,-
0000 425      UNIT,SIZE=LONG,BIT      ;
0000 426      :
0000 427      :
0000 428      : When GETSYISW is defined, the macro PARAMETER becomes a conduit to
0000 429      : a lower level macro SYI_ITEM_CODE. In the fashion of JPI_ITEM_CODE and
0000 430      : DVI_ITEM_CODE, SYI_ITEM_CODE is called multiple times (once per item)
0000 431      : by the larger macro SYI_GENERATE_TABLE. This file becomes the definition
0000 432      : of SYI_GENERATE_TABLE when GETSYISW is defined.
0000 433      :
0000 434      OUTLEN = 4
0000 435      .IIF      IDENTICAL <SIZE><BYTE>, OUTLEN = 1
0000 436      .IIF      IDENTICAL <SIZE><WORD>, OUTLEN = 2
0000 437      .IIF      IDENTICAL <SIZE><LONG>, OUTLEN = 4
0000 438      .IIF      IDENTICAL <SIZE><QUAD>, OUTLEN = 8
0000 439      .IIF      IDENTICAL <SIZE><OCTA>, OUTLEN = 16
0000 440      :
0000 441      .IF      DEFINED GETSYISW
0000 442      :
0000 443      .IF      BLANK BIT
0000 444      :
0000 445      .IF      NOT DEFINED SYIS 'NAME
0000 446      .WARN ; SYIS_'NAME SHOULD BE DEFINED IN STARDEFQZ.SDL (EXE-SECT)
0000 447      .ENDC
0000 448      :
0000 449      .IF      IDENTICAL <UNIT><Ascii>
0000 450      :
0000 451      SYI_ITEM_CODE  EXE,-      : TABLE BASE - EXEC CELLS
0000 452      <NAME>,-      : ITEM NAME
0000 453      <ADDRESS>,-    : SOURCE

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```

0000 454 PADSTR,- : DTYPE = PADDED STRING
0000 455 0,- : BITPOS
0000 456 PRMSC 'SIZE',- : BITSIZ
0000 457 OUTLEN : OUTLEN
0000 458
0000 459 .IF_FALSE
0000 460
0000 461 SYI_ITEM_CODE EXE,- : TABLE BASE - EXEC CELLS
0000 462 <NAME>,- : ITEM NAME
0000 463 <ADDRESS>,- : SOURCE
0000 464 DECNUM,- : DTYPE = DECIMAL NUMBER
0000 465 0,- : BITPOS
0000 466 PRMSC 'SIZE',- : BITSIZ
0000 467 OUTLEN : OUTLEN
0000 468
0000 469 .ENDC : IDENTICAL <UNIT><Ascii>
0000 470
0000 471 .IF_FALSE : BLANK BIT
0000 472
0000 473 .IF NOT DEFINED SYIS 'NAME
0000 474 .WARN ; SYIS 'NAME SHOULD BE DEFINED IN STARDEFQZ.SDL (FLD-SECT)
0000 475 .ENDC
0000 476
0000 477 SYI_ITEM_CODE FLD,- : TABLE BASE - FIELD DATA
0000 478 <NAME>,-
0000 479 <ADDRESS>,-
0000 480 BITVAL,-
0000 481 <BIT>,-
0000 482 1,-
0000 483 1
0000 484
0000 485 .ENDC : BLANK BIT
0000 486
0000 487 .IF_FALSE : DEFINED GETSYISW
0000 488
0000 489 .IF DF,PRMSW : DO IF CREATING PARAMETER DESCRIPTOR
0000 490 PRMSAV...= : SAVE LOC COUNTER
0000 491 .PSECT $$$918, LONG
0000 492 BAS...= : SET BASE FOR THIS DESCRIPTOR
0000 493 .BLKB PRMSC_LENGTH : GENERATE SPACE
0000 494 SAV...=
0000 495 PRM L ADDR
0000 496 .LONG ADDRESS
0000 497 PRM L DEFAULT
0000 498 .LONG DEFAULT
0000 499 PRM L MIN
0000 500 .LONG MIN
0000 501 PRM L MAX
0000 502 .LONG MAX
0000 503 .IF GREATER <%LENGTH(NAME)-PRMSC_MAXNAMLEN>
0000 504 .ERROR : The parameter called NAME has too many characters
0000 505 .ENDC
0000 506 PRM T NAME
0000 507 .ASCII %'NAME%'
0000 508 .IF GREATER <%LENGTH(UNIT)-PRMSC_MAXUNILEN>
0000 509 .ERROR : The quantity called UNIT has too many characters
0000 510 .ENDC

```

```

0000 511 PRM T UNIT
0000 512 .ASCIC %UNIT%
0000 513 PRM B_SIZE SET FIELD SIZE
0000 514 .IF B_BIT
0000 515 .BYTE PRMSC_'SIZE
0000 516 .IFF
0000 517 .BYTE 1
0000 518 PRM B_POS
0000 519 .BYTE BIT
0000 520 .ENDC
0000 521 PRM L_FLAGS
0000 522 TYP...=0
0000 523 .IRP TYPNAM,<TYPE>
0000 524 TYP...=TYP...!PRMSM_'TYPNAM
0000 525
0000 526 .IF NB BIT ; DEFINE PRMSM_DYNFLAGS
0000 527 .IF EQ PRMSM_'TYPNAM-PRMSM_DYNAMIC
0000 528 .IF IDN ADDRESS,EXESGL DEFFLAGS
0000 529 PRMSM_DYNFLAGS == PRMSM_DYNFLAGS!<10BIT>
0000 530 .ENDC
0000 531 .ENDC
0000 532 .ENDC
0000 533
0000 534 .ENDR
0000 535 .LONG TYP...
0000 536 .=SAV... ; REPOSITION LOCATION COUNTER
0000 537 .PSECT $$$917A,PAGE ; BACK TO NORMAL PSECT
0000 538 .=PRMSAV... ; RESTORE LOCATION COUNTER
0000 539 .IFF
0000 540 .IF B_BIT
0000 541 .IF GT,OUTLEN-4 ; IF LENGTH >4 FORCE LONGWORD ALIGNMENT
0000 542 .ALIGN LONG
0000 543 .IFF
0000 544 .ALIGN 'SIZE'
0000 545 .ENDC
0000 546 ADDRESS' ; DEFINE GLOBAL VALUE
0000 547 .ENDC
0000 548 .ENDC
0000 549 .IF B_BIT
0000 550 .IF GT,OUTLEN-4 ; IF LENGTH >4 FORCE LONGWORD ALIGNMENT
0000 551 .ALIGN LONG
0000 552 .LONG DEFAULT ; GENERATE DEFAULT QUAD VALUE
0000 553 .LONG DEFAULT
0000 554 .IF GT,OUTLEN-8
0000 555 .LONG DEFAULT ; GENERATE DEFAULT OCTA VALUE
0000 556 .LONG DEFAULT
0000 557 .ENDC
0000 558 .IFF
0000 559 .ALIGN 'SIZE'
0000 560 .'SIZE' DEFAULT ; GENERATE DEFAULT VALUE
0000 561 .ENDC
0000 562 .ENDC
0000 563
0000 564 .ENDC ; DEFINED GETSYISM
0000 565
0000 566 .ENDM PARAMETER
0000 567

```



```

0000 568      .MACRO PRM,OFFSET      ;
0000 569      .IF      NOT_DEFINED GETSYISW      ;
0000 570      .BAS...+PRMS'OFFSET      ;
0000 571      .ENDC      ;
0000 572      .ENDM      PRM      ;
0000 573
0000 574      :
0000 575      : MACRO TO CONDITIONALLY DEFINE LABELS
0000 576      :
0000 577      .MACRO DEFINE_LABEL      ;
0000 578      .IF      NOT_DEFINED GETSYISW      ;
0000 579      .IF      NDF,PRMSW      ;
0000 580 LABEL'::      :
0000 581      .IFF      :
0000 582 LABEL':      :
0000 583      .ENDC      :
0000 584      .ENDC      ; NOT_DEFINED GETSYISW      ;
0000 585      .ENDM      DEFINE      ;
0000 586      :
0000 587      : MACRO TO GENERATE PROCESS QUOTA LIST TABLES
0000 588      :
0000 589      PQL      QUOTA_NAME,DEFAULT,MIN,FLAG,UNIT,DYNAMIC_STATE
0000 590      :
0000 591      .MACRO PQL Q,DEFLT=0,MINIM=0,FLAG=0,UNT,DYNAMIC_FLAG=DYNAMIC
0000 592      .IF      NOT_DEFINED GETSYISW      ;
0000 593      .IF      NDF,PRMSW      ;
0000 594      .PSECT $$$917,PAGE      ;
0000 595      .IFF      :
0000 596      .PSECT $$$917A,PAGE      :
0000 597      .ENDC      :
0000 598 PQLSAV...=      : SAVE LOCATION COUNTER
0000 599      .PQL$AL,DEFAULT+<4*PQL$'Q>      : POINT INTO DEFAULT TABLE
0000 600      .ENDC      ; NOT_DEFINED GETSYISW      ;
0000 601      PARAMETER      ADDRESS=PQL$GD'Q,-      ;
0000 602      DEFAULT=DEFLT,-      ;
0000 603      NAME=PQL'D'Q,-      ;
0000 604      SIZE=LONG,-      ;
0000 605      TYPE=<PQL,SYSGEN,DYNAMIC,FLAG>,-      ;
0000 606      UNIT=UNT      ;
0000 607      .IF      NOT_DEFINED GETSYISW      ;
0000 608      .IF      NDF,PRMSW      ;
0000 609      .PSECT $$$917,PAGE      ;
0000 610      .IFF      :
0000 611      .PSECT $$$917A,PAGE      :
0000 612      .ENDC      :
0000 613 PQLSAV...=      : POINT INTO MINIMUM VALUE TABLE
0000 614      .PQL$AL,MIN+<4*PQL$'Q>      :
0000 615      .ENDC      ; NOT_DEFINED GETSYISW      ;
0000 616      PARAMETER      ADDRESS=PQL$GM'Q,-      ;
0000 617      DEFAULT=MINIM,-      ;
0000 618      NAME=PQL'M'Q,-      ;
0000 619      SIZE=LONG,-      ;
0000 620      TYPE=<PQL,SYSGEN,DYNAMIC,FLAG>,-      ;
0000 621      UNIT=UNT      ;
0000 622      .IF      NOT_DEFINED GETSYISW      ;
0000 623      .IF      NDF,PRMSW      ;
0000 624      .PSECT $$$917,PAGE      ;

```

```

0000 625      .IFF
0000 626      .PSECT $$$917A,PAGE
0000 627      .ENDC
0000 628 PQLSAV...=
0000 629      .=PQL$AB_FLAG+PQL$_'0
0000 630      .BYTE FLAG
0000 631      .=PQLSAV...
0000 632      .ENDC      NOT_DEFINED GETSYISW
0000 633      .ENDM PQL
0000 634
0000 635
0000 636      : EQUATED SYMBOLS:
0000 637
00000000 0000 638 PQL_V_DEDUCT=0
0000 639
00000001 0000 640 PQL_M_DEDUCT=1
00000001 0000 641 DEDUCTIBLE=PQL_M_DEDUCT
0000 642
0000 643      .IF DF,PRMSW
00000000 0000 644 PRMSM_DYNFLAGS == 0
0000 645      .ENDC
0000 646
0000 647
0000 648      : DEFINE THE SYSTEM CONTROL FLAGS. ANY FLAGS ADDED SHOULD BE PLACED
0000 649      : IN THE FIELD DEFINITION THAT CORRESPONDS TO THE CELL IN SYSCOMMON FROM
0000 650      : WHICH THE FLAGS ARE REFERENCED. (THIS WAS ORIGINALLY EXESGL FLAGS, BUT
0000 651      : OVER TIME WILL SPLIT INTO EXESGL_DYNAMIC_FLAGS, EXESGL_STATIC_FLAGS, AND
0000 652      : EXESGL_STATE_FLAGS.)
0000 653
0000 654      $GBLINI GLOBAL
0000 655      $VIELD EXE,0,<-
0000 656      SYSWRITBL,-
0000 657      NOAUTOCNF,-
0000 658      SYSPAGING,-
0000 659      POOLPGING,-
0000 660      SIMULATOR,-
0000 661      NOCLOCK,-
0000 662      CRDENABL,-
0000 663      SBIERR,-
0000 664      INIT,-
0000 665      SETTIME,-
0000 666      FATAL_BUG,-
0000 667      MULTACP,-
0000 668      NOCLUSTER,-
0000 669      BUGREBOOT,-
0000 670      SYSUAFALT,-
0000 671      SHRF11ACP,-
0000 672      BUGDUMP,-
0000 673      RESALLOC,-
0000 674      CONCEALED,-
0000 675      SSINHIBIT,-
0000 676      EXPLICITP,-
0000 677      EXPLICITP,-
0000 678      PGFLFRAG,-
0000 679      PGFLCRIT,-
0000 680      TBCHK,-
0000 681      PAGFILDMP,-

: POINT INTO FLAG BYTE FOR QUOTA
: AND FILL IN FLAG
: RESTORE LOCATION COUNTER
:
: DEDUCTIBLE QUOTA FLAG
: FLAG VALUE FOR DEDUCTIBLE QUOTA
: NAME FOR READIBILITY
: DO IF PARAMETER
:
: DEFINITION FOR EXESGL FLAGS
: LEAVE SYSTEM READ ONLY CODE WRITABLE
: NO AUTOMATIC CONFIGURATION OF UBA
: ENABLE SYSTEM PAGING
: ENABLE DYNAMIC POOL PAGING
: RUNNING ON SIMULATOR
: DO NOT TURN ON CLOCK
: ENABLE CRD ERROR DETECTION
: ENABLE SBI ERROR INTERRUPT
: RMS AND FILE SYSTEM INITIALIZED
: FORCE SOLICITATION OF TIME
: FORCE ALL BUG CHECKS FATAL
: USE MULTIPLE FILE ACP'S
: TURN OFF PAGE FAULT CLUSTERING
: AUTO REBOOT ON BUGCHECK
: ALTERNATE LOGICAL NAME FOR SYSUAF
: MAKE F11ACP SHARABLE AT BOOT TIME
: TAKE SYSTEM DUMP ON BUGCHECK
: ENABLE RESOURCE ALLOCATION CHECKS
: ENABLE USE OF CONCEALED DEVICES
: INHIBIT SYSTEM SERVICES PER-PROCESS
: IF SET TODAY IS CONSIDERED PRIMARY
: IF SET TODAY IS CONSIDERED SECONDARY
: SET IF PAGE FILE FRAGMENTED MSG ISSUED
: SET IF PAGE FILE FULL MSG ISSUED
: SET IF PROCESSOR REGISTER TBCHK PRESENT
: SET IF DUMP IS IN PAGE FILE

```

```

0000 682          SAVEDUMP,-          : SET TO SAVE DUMP UNTIL ANALYZED
0000 683          JOBQUEUE$,-        : Set if JOBCTL to enable queues
0000 684          REINITQUE,-        : Set if JOBCTL to reinitialize JBCSYSQUE
0000 685          CJFLOAD,-          : Set if CJF is to be loaded at boot time
0000 686          CJFSYSRUJ,-        : Set if a recovery unit journal exists for
0000 687          >
0000 688 :          $VIELD EXE,0,<-    : DEFINITION FOR EXE$GL_STATE_FLAGS
0000 689 :          >
0000 690
0000 691          .IF      NOT_DEFINED GETSYISW
0000 692
0000 693 :
0000 694 :      OWN STORAGE:
0000 695 :
0000 696          .IF      NDF,PRMSW
0000 697          .PSECT   $$$917,PAGE
0000 698          .IFF
0000 699          .PSECT   $$$917A,PAGE
0000 700          .ENDC
0000 701          DEFINE EXE$A SYSPARAM
0000 702          .IF      DF,PRMSW
0000 703 BOO$A_SYSPARAM::
0000 704          .PSECT   $$$918, LONG
0000 705 BOO$A_PRMBLK::
0000 706          .ENDC
0000 707          .IF      NDF,PRMSW
0000 708          .PSECT   $$$917,PAGE
0000 709          .IFF
0000 710          .PSECT   $$$917A,PAGE
0000 711          .ENDC
0000 712

```



```

0000 714 .SBTTL SYSTEM TIME VARIABLES
0000 715 :
0000 716 : SYSTEM TIME VARIABLES
0000 717 :
0000 718 :
008C4737 66070000 0000 719 DEFINE EXESGQ TODCBASE : TIME OF DAY CLOCK BASE (BOOT TIME)
0000 719 .QUAD ^X008C473766070000 : 01-JAN-1984 00:00:00.00
0008 720 :
0008 721 :
10000000 0008 722 DEFINE EXESGL_TODR : TIME OF DAY REGISTER VALUE CORRESPONDING
0008 722 .LONG 1228 : TO EXESGQ TODCBASE; IT'S NOT ZERO
000C 723 : BECAUSE ANYTHING LESS THAN 1228
000C 724 : IS USED TO INDICATE CLOCK LOST POWER
000C 725 :
000C 726 .ENDC ; NOT_DEFINED GETSYSIW

```

```

000C 728      .SBTTL  SYSGEN PARAMETERS
000C 729      :
000C 730      :
000C 731      :
000C 732      :
000C 733      :
000C 734      : When the code in SYS$GETSYI/FS$GETSYI/LIB$GETSYI invokes the SYI GENERATE_TABLE
000C 735      : macro once, the PARAMETER macro (and therefore the SYI_ITEM_CODE macro)
000C 736      : will be invoked many times, generating the item-code control tables used
000C 737      : by the above pieces of code.
000C 738      :
000C 739      : Start the definition of the macro
000C 740      :
000C 741      :
000C 742      :
000C 743      : Define the GETSYI item-code which are Not SYSBOOT params
000C 744      :
000C 745      :
000C 746      :
000C 747      :
000C 748      :
000C 749      :
000C 750      :
000C 751      :
000C 752      :
000C 753      :
000C 754      :
000C 755      :
000C 756      :
000C 757      :
000C 758      :
000C 759      :
000C 760      :
000C 761      :
000C 762      :
000C 763      :
000C 764      :
000C 765      :
000C 766      :
000C 767      :
000C 768      :
000C 769      :
000C 770      :
000C 771      :
000C 772      :
000C 773      :
000C 774      :
000C 775      :
000C 776      :
000C 777      :
000C 778      :
000C 779      :
000C 780      :
000C 781      :
000C 782      :
000C 783      :
000C 784      :

```

SYSGEN PARAMETERS

When the code in SYS\$GETSYI/FS\$GETSYI/LIB\$GETSYI invokes the SYI GENERATE\_TABLE macro once, the PARAMETER macro (and therefore the SYI\_ITEM\_CODE macro) will be invoked many times, generating the item-code control tables used by the above pieces of code.

; Start the definition of the macro

.MACRO SYI\_GENERATE\_TABLE

; Define the GETSYI item-code which are Not SYSBOOT params

.IIF DEFINED GETSYISW, SYI\_ITEMTABLES

DEFAULT PAGE FAULT CLUSTER SIZE - SPECIFIES THE MAXIMUM NUMBER OF PAGES WHICH WILL BE READ FROM SECTIONS NOT SPECIFYING A CLUSTER FACTOR. THIS ALSO APPLIES TO PAGE FILE PAGES.

PARAMETER ADDRESS=SGN\$GW\_DFPFC,-  
DEFAULT=32,-  
MIN=0,-  
MAX=127,-  
NAME=PFCDDEFAULT,-  
SIZE=WORD,-  
TYPE=<DYNAMIC,SYS,MAJOR>,-  
UNIT=Pages

DEFAULT PAGE TABLE PAGE FAULT CLUSTER SIZE - SPECIFIES THE MAXIMUM NUMBER OF OF PAGE TABLES TO ATTEMPT TO READ TO SATISFY A FAULT FOR A NON-RESIDENT PAGE TABLE.

PARAMETER ADDRESS=SGN\$GB\_PGTPFC,-  
DEFAULT=2,-  
MIN=0,-  
MAX=127,-  
NAME=PAGTBLPFC,-  
SIZE=BYTE,-  
TYPE=<DYNAMIC,SPECIAL>,-  
UNIT=Pages

PAGE FAULT CLUSTER FOR SYSTEM PAGING

PARAMETER ADDRESS=SGN\$GB\_SYSPFC,-  
DEFAULT=1,-  
MIN=0,-  
MAX=127,-  
NAME=SYSPFC,-  
SIZE=BYTE,-  
TYPE=<SPECIAL>,-  
UNIT=Pages

NUMBER OF KNOWN FILE LISTS - ESTABLISHES THE MAXIMUM NUMBER OF KNOWN

```

000C 785 : FILE LISTS THAT CAN BE MADE KNOWN TO THE SYSTEM.
000C 786 :
000C 787 : PARAMETER ADDRESS=SGN$GB_KFILSTCT,- ;
000C 788 : DEFAULT=4,- ;
000C 789 : MIN=2,- ;
000C 790 : MAX=255,- ;
000C 791 : NAME=KFILSTCNT,- ;
000C 792 : SIZE=BYTE,- ;
000C 793 : TYPE=<SYSGEN,SYS>,- ;
000C 794 : UNIT=Slots ;
000C 795 :
000C 796 : .IIF NOT_DEFINED GETSYISW, .ALIGN WORD
000C 797 :
000C 798 : GLOBAL SECTION COUNT - DETERMINES THE MAXIMUM NUMBER OF GLOBAL SECTIONS
000C 799 : WHICH CAN BE MADE KNOWN TO THE SYSTEM BY ALLOCATING THE NECESSARY
000C 800 : STORAGE FOR THE GST ENTRIES.
000C 801 :
000C 802 : PARAMETER ADDRESS=SGN$GW_GBLSECNT,- ;
000C 803 : DEFAULT=128,- ;
000C 804 : MIN=20,- ;
000C 805 : NAME=GBLSECTIONS,- ;
000C 806 : SIZE=WORD,- ;
000C 807 : TYPE=<SYSGEN,SYS,MAJOR>,- ;
000C 808 : UNIT=Sections ;
000C 809 :
000C 810 : GLOBAL PAGE COUNT - ESTABLISHES THE SIZE OF THE GLOBAL PAGE TABLE AND THE
000C 811 : LIMIT FOR THE TOTAL NUMBER OF GLOBAL PAGES THAT CAN BE CREATED.
000C 812 :
000C 813 :
000C 814 : PARAMETER ADDRESS=SGN$GL_MAXGPGCT,- ;
000C 815 : DEFAULT=4096,- ;
000C 816 : MIN=512,- ;
000C 817 : NAME=GBLPAGES,- ;
000C 818 : SIZE=LONG,- ;
000C 819 : TYPE=<SYSGEN,SYS,MAJOR>,- ;
000C 820 : UNIT=Pages ;
000C 821 :
000C 822 : GLOBAL PAGE PAGE FILE PAGE LIMIT - ESTABLISHES THE MAXIMUM NUMBER OF GLOBAL
000C 823 : PAGES WITH PAGE FILE BACKING STORE THAT CAN BE CREATED.
000C 824 :
000C 825 :
000C 826 : PARAMETER ADDRESS=SGN$GL_GBLPAGFIL,- ;
000C 827 : DEFAULT=1024,- ;
000C 828 : MIN=128,- ;
000C 829 : NAME=GBLPAGFIL,- ;
000C 830 : SIZE=LONG,- ;
000C 831 : TYPE=<SYS>,- ;
000C 832 : UNIT=Pages ;
000C 833 :
000C 834 :
000C 835 : MAXIMUM PROCESS COUNT - DETERMINES THE MAXIMUM NUMBER OF PROCESSES
000C 836 :
000C 837 : PARAMETER ADDRESS=SGN$GW_MAXPRCCT,- ;
000C 838 : DEFAULT=72,- ;
000C 839 : MIN=12,- ;
000C 840 : MAX=8192,- ;
000C 841 : NAME=MAXPROCESSCNT,- ;

```



```

000C 842 SIZE=WORD,-
000C 843 TYPE=<SYSGEN,SYS,MAJOR>,-
000C 844 UNIT=Processes
000C 845
000C 846 :
000C 847 : PROCESS SCAN COUNT - DETERMINES THE MAXIMUM NUMBER OF PROCESSES TO SCAN
000C 848 : FOR PRIORITY BOOSTING.
000C 849 :
000C 850 : PARAMETER ADDRESS=SGN$GW_PIXSCAN,-
000C 851 : DEFAULT=1,-
000C 852 : MIN=0,-
000C 853 : MAX=8192,-
000C 854 : NAME=PIXSCAN,-
000C 855 : SIZE=WORD,-
000C 856 : TYPE=<SPECIAL,DYNAMIC>,-
000C 857 : UNIT=Processes
000C 858
000C 859 :
000C 860 : PROCESS SECTION COUNT - GUARANTEED NUMBER OF PROCESS SECTIONS THAT CAN
000C 861 : BE CREATED. DEPENDING ON SIZE OF WORKING SET, THE ACTUAL NUMBER
000C 862 : OF SECTIONS CAN ACTUALLY BE GREATER.
000C 863 :
000C 864 : PARAMETER ADDRESS=SGN$GW_MAXPSTCT,-
000C 865 : DEFAULT=32,-
000C 866 : MIN=5,-
000C 867 : MAX=1024,-
000C 868 : NAME=PROCSECTCNT,-
000C 869 : SIZE=WORD,-
000C 870 : TYPE=<SYSGEN,SYS>,-
000C 871 : UNIT=Sections
000C 872
000C 873 :
000C 874 :
000C 875 : MINIMUM WORKING SET SIZE - ESTABLISHES THE SMALLEST SIZE THAT ADJWSL WILL
000C 876 : SET A PROCESS' WORKING SET.
000C 877 :
000C 878 : PARAMETER ADDRESS=SGN$GW_MINWSCNT,-
000C 879 : DEFAULT=20,-
000C 880 : MIN=10,-
000C 881 : NAME=MINWSCNT,-
000C 882 : SIZE=WORD,-
000C 883 : TYPE=<STATIC,SYSGEN,SYS>,-
000C 884 : UNIT=Pages
000C 885
000C 886 :
000C 887 :
000C 888 : NUMBER OF PAGING FILES - DETERMINES THE MAXIMUM NUMBER OF PAGING FILES
000C 889 : THAT CAN BE MADE KNOW TO THE SYSTEM.
000C 890 :
000C 891 : PARAMETER ADDRESS=SGN$GW_PAGFILCT,-
000C 892 : DEFAULT=2,-
000C 893 : MIN=1,-
000C 894 : MAX=63,-
000C 895 : NAME=PAGFILCNT,-
000C 896 : SIZE=WORD,-
000C 897 : TYPE=<SYS,SYSGEN>,-
000C 898 : UNIT=Files

```

```

000C 899
000C 900 :
000C 901 : NUMBER OF SWAP FILES - ESTABLISHES THE MAXIMUM NUMBER OF SWAPFILES THAT
000C 902 : CAN BE MADE KNOWN TO THE SYSTEM.
000C 903 :
000C 904 : PARAMETER ADDRESS=SGN$GW_SWPFILES,- ;
000C 905 : DEFAULT=2,- ;
000C 906 : MIN=0,- ;
000C 907 : MAX=63,- ;
000C 908 : NAME=SWPFILCNT,- ;
000C 909 : SIZE=WORD,- ;
000C 910 : TYPE=<SYS,SYSGEN>,- ;
000C 911 : UNIT=Files ;
000C 912 :
000C 913 :
000C 914 :
000C 915 : SYSTEM WORKING SET COUNT - ESTABLISHES THE NUMBER OF PAGES FOR THE WORKING
000C 916 : SET CONTAINING THE CURRENTLY RESIDENT PAGES OF PAGABLE SYSTEM SPACE.
000C 917 :
000C 918 : PARAMETER ADDRESS=SGN$GW_SYSDWSCT,- ;
000C 919 : DEFAULT=250,- ;
000C 920 : MIN=40,- ;
000C 921 : MAX=16384,- ;
000C 922 : NAME=SYSMWCNT,- ;
000C 923 : SIZE=WORD,- ;
000C 924 : TYPE=<SYSGEN,SYS,MAJOR>,- ;
000C 925 : UNIT=Pages ;
000C 926 :
000C 927 :
000C 928 : INTERRUPT STACK SIZE - ESTABLISHES THE SIZE OF THE INTERRUPT STACK IN PAGES
000C 929 :
000C 930 : PARAMETER ADDRESS=SGN$GW_ISPPGCT,- ;
000C 931 : DEFAULT=2,- ;
000C 932 : MIN=1,- ;
000C 933 : NAME=INTSTKPAGES,- ;
000C 934 : SIZE=WORD,- ;
000C 935 : TYPE=<SYS,SYSGEN>,- ;
000C 936 : UNIT=Pages ;
000C 937 :
000C 938 : AMOUNT OF EXTRA INTERRUPT STACK TO LEAVE WHEN DOING DEADLOCK SEARCH
000C 939 :
000C 940 : PARAMETER ADDRESS=LCK$GL_EXTRASTK,- ;
000C 941 : DEFAULT=512,- ;
000C 942 : MIN=256,- ;
000C 943 : NAME=DLCKEXTRASTK,- ;
000C 944 : SIZE=LONG,- ;
000C 945 : TYPE=<SPECIAL>,- ;
000C 946 : UNIT=Bytes ;
000C 947 :
000C 948 :
000C 949 : BALANCE SET COUNT - DETERMINES THE MAXIMUM NUMBER OF PROCESS THAT CAN BE
000C 950 : BE CONCURRENTLY RESIDENT.
000C 951 :
000C 952 : PARAMETER ADDRESS=SGN$GL_BALSETCT,- ;
000C 953 : DEFAULT=36,- ;
000C 954 : MIN=4,- ;
000C 955 : MAX=1024,- ;

```

```

000C 956 NAME=BALSETCNT,- ;
000C 957 SIZE=LONG,- ;
000C 958 TYPE=<SYSGEN,SYS,MAJOR>,- ;
000C 959 UNIT=Slots ;
000C 960 :
000C 961 : COUNT OF PRE-ALLOCATED I/O PACKETS - DETERMINES THE NUMBER OF I/O PACKETS
000C 962 : TO BE PRE-ALLOCATED AND LINKED TOGETHER FOR FAST ALLOCATION AND
000C 963 : DEALLOCATION.
000C 964 :
000C 965 : PARAMETER ADDRESS=SGNSGL_IRPCNT,- ;
000C 966 : DEFAULT=60,- ;
000C 967 : MIN=0,- ;
000C 968 : MAX=32768,- ;
000C 969 : NAME=IRPCOUNT,- ;
000C 970 : SIZE=LONG,- ;
000C 971 : TYPE=<SYSGEN,MAJOR,SYS>,- ;
000C 972 : UNIT=Packets ;
000C 973 :
000C 974 : NUMBER OF PACKETS TO WHICH THE IRPLIST MAY BE EXTENDED.
000C 975 :
000C 976 : PARAMETER ADDRESS=SGNSGL_IRPCNTV,- ;
000C 977 : DEFAULT=1000,- ;
000C 978 : MIN=0,- ;
000C 979 : MAX=32768,- ;
000C 980 : NAME=IRPCOUNTV,- ;
000C 981 : SIZE=LONG,- ;
000C 982 : TYPE=<SYSGEN,SYS>,- ;
000C 983 : UNIT=Packets ;
000C 984 :
000C 985 : MAXIMUM SIZE OF PROCESS WORKING SET. DETERMINES THE SYSTEM WIDE MAXIMUM
000C 986 : SIZE OF A PROCESS WORKING SET REGARDLESS OF PROCESS QUOTA.
000C 987 :
000C 988 : PARAMETER ADDRESS=SGNSGL_MAXWSCNT,- ;
000C 989 : DEFAULT=1024,- ;
000C 990 : MIN=60,- ;
000C 991 : MAX=64000,- ;
000C 992 : NAME=WSMAX,- ;
000C 993 : SIZE=LONG,- ;
000C 994 : TYPE=<SYSGEN,SYS,MAJOR>,- ;
000C 995 : UNIT=Pages ;
000C 996 :
000C 997 :
000C 998 : NON-PAGED DYNAMIC POOL - DETERMINES THE NUMBER OF BYTES TO ALLOCATE FOR
000C 999 : THE NON-PAGED DYNAMIC POOL.
000C 1000 :
000C 1001 : PARAMETER ADDRESS=SGNSGL_NPAGEDYN,- ;
000C 1002 : DEFAULT=131072,- ; 256 pages
000C 1003 : MIN=16384,- ;
000C 1004 : NAME=NPAGEDYN,- ;
000C 1005 : SIZE=LONG,- ;
000C 1006 : TYPE=<SYSGEN,SYS,MAJOR>,- ;
000C 1007 : UNIT=Bytes ;
000C 1008 :
000C 1009 : NON-PAGED DYNAMIC POOL - DETERMINES THE NUMBER OF BYTES TO WHICH
000C 1010 : THE NON-PAGED DYNAMIC POOL MAY BE EXTENDED. THIS PARAMETER
000C 1011 : IS USED TO ALLOCATE THE NECESSARY PAGE TABLE ENTRIES.
000C 1012 :

```



```

000C 1013      PARAMETER      ADDRESS=SGN$GL_NPAGEVIR,-      ;
000C 1014      DEFAULT=400000,-      ;
000C 1015      MIN=16384,-      ;
000C 1016      NAME=NPAGEVIR,-      ;
000C 1017      SIZE=LONG,-      ;
000C 1018      TYPE=<SYSGEN,SYS>,-      ;
000C 1019      UNIT=Bytes
000C 1020      :
000C 1021      : PAGED DYNAMIC POOL - DETERMINES THE NUMBER OF BYTES TO ALLOCATE FOR THE
000C 1022      : PAGED DYNAMIC POOL.
000C 1023      :
000C 1024      PARAMETER      ADDRESS=SGN$GL_PAGEDYN,-      ;
000C 1025      DEFAULT=190000,-      ;
000C 1026      MIN=10240,-      ;
000C 1027      NAME=PAGEDYN,-      ;
000C 1028      SIZE=LONG,-      ;
000C 1029      TYPE=<SYSGEN,SYS,MAJOR>,-      ;
000C 1030      UNIT=Bytes
000C 1031      :
000C 1032      : MAXIMUM VIRTUAL PAGE COUNT - DETERMINES THE TOTAL NUMBER OF PAGES THAT
000C 1033      : CAN BE MAPPED FOR A PROCESS, WHICH CAN BE DIVIDED IN ANY FASHION
000C 1034      : BETWEEN P0 AND P1 SPACE.
000C 1035      :
000C 1036      :
000C 1037      PARAMETER      ADDRESS=SGN$GL_MAXVPGCT,-      ;
000C 1038      DEFAULT=8192,-      ;
000C 1039      MIN=512,-      ;
000C 1040      MAX=300000,-      ; MORE THAN 128 MEGABYTES
000C 1041      NAME=VIRTUALPAGECNT,-      ;
000C 1042      SIZE=LONG,-      ;
000C 1043      TYPE=<SYSGEN,SYS,MAJOR>,-      ;
000C 1044      UNIT=Pages
000C 1045      :
000C 1046      : REQUESTED SPT EXTENSION - NUMBER OF ADDITIONAL SPT SLOT TO ALLOW
000C 1047      :
000C 1048      :
000C 1049      PARAMETER      ADDRESS=SGN$GL_SPTREQ,-      ;
000C 1050      DEFAULT=896,-      ;
000C 1051      NAME=SPTREQ,-      ;
000C 1052      SIZE=LONG,-      ;
000C 1053      TYPE=<SYS,SYSGEN>,-      ;
000C 1054      UNIT=Pages
000C 1055      :
000C 1056      : EXTRA USER STACK AUTOMATICALLY PROVIDED BY THE IMAGE ACTIVATOR
000C 1057      : SO THAT THE OPERATING SYSTEM CAN RECOVER FROM A STACK OVERFLOW.
000C 1058      :
000C 1059      :
000C 1060      PARAMETER      ADDRESS=SGN$GL_EXUSRSTK,-      ;
000C 1061      DEFAULT=<2*512>,-      ;
000C 1062      MIN=<2*512>,-      ;
000C 1063      NAME=EXUSRSTK,-      ;
000C 1064      SIZE=LONG,-      ;
000C 1065      TYPE=<SPECIAL>,-      ;
000C 1066      UNIT=<Pages*512>
000C 1067      :
000C 1068      : NUMBER OF LARGE REQUEST PACKETS TO ALLOCATE TO THE LRP LOOK ASIDE LIST
000C 1069      :
000C 1069      PARAMETER      ADDRESS=SGN$GL_LRPCNT,-      ;

```

```

000C 1070      DEFAULT=4,-
000C 1071      MIN=0,-
000C 1072      MAX=4096,-
000C 1073      NAME=LRPCOUNT,-
000C 1074      SIZE=LONG,-
000C 1075      TYPE=<SYS,SYSGEN,MAJOR>,-
000C 1076      UNIT=<Packets>
000C 1077      :
000C 1078      : NUMBER OF LARGE REQUEST PACKETS TO WHICH THE LRP LOOK ASIDE LIST
000C 1079      : MAY BE EXTENDED. USED TO ALLOCATE THE APPROPRIATE VIRTUAL SPACE.
000C 1080      :
000C 1081      : PARAMETER      ADDRESS=SGN$GL_LRPCNTV,-;
000C 1082      : DEFAULT=80,-
000C 1083      : MIN=0,-
000C 1084      : MAX=4096,-
000C 1085      : NAME=LRPCOUNTV,-
000C 1086      : SIZE=LONG,-
000C 1087      : TYPE=<SYS,SYSGEN>,-
000C 1088      : UNIT=<Packets>
000C 1089      :
000C 1090      : SIZE OF LARGE REQUEST PACKETS (BYTES)
000C 1091      :
000C 1092      : PARAMETER      ADDRESS=SGN$GL_LRPSIZE,-;
000C 1093      : DEFAULT=576,-
000C 1094      : MIN=256,-
000C 1095      : MAX=16384,-
000C 1096      : NAME=LRPSIZE,-
000C 1097      : SIZE=LONG,-
000C 1098      : TYPE=<SYS,SYSGEN>,-
000C 1099      : UNIT=<Bytes>
000C 1100      :
000C 1101      : MINIMUM ALLOCATION REQUEST FOR LARGE REQUEST PACKETS (BYTES)
000C 1102      :
000C 1103      : PARAMETER      ADDRESS=SGN$GL_LRPMIN,-;
000C 1104      : DEFAULT=480,-
000C 1105      : MIN=256,-
000C 1106      : MAX=16384,-
000C 1107      : NAME=LRPMIN,-
000C 1108      : SIZE=LONG,-
000C 1109      : TYPE=<SPECIAL>,-
000C 1110      : UNIT=<Bytes>
000C 1111      :
000C 1112      : NUMBER OF SMALL REQUEST PACKETS TO ALLOCATE TO THE SRP LOOK ASIDE LIST
000C 1113      :
000C 1114      : PARAMETER      ADDRESS=SGN$GL_SRPCNT,-;
000C 1115      : DEFAULT=120,-
000C 1116      : MIN=0,-
000C 1117      : MAX=4096,-
000C 1118      : NAME=SRPCOUNT,-
000C 1119      : SIZE=LONG,-
000C 1120      : TYPE=<SYS,SYSGEN,MAJOR>,-
000C 1121      : UNIT=<Packets>
000C 1122      :
000C 1123      : NUMBER OF SMALL REQUEST PACKETS TO WHICH THE SRP LOOK ASIDE LIST
000C 1124      : MAY BE EXTENDED. USED TO ALLOCATE THE APPROPRIATE VIRTUAL SPACE.
000C 1125      :
000C 1126      : PARAMETER      ADDRESS=SGN$GL_SRPCNTV,-;

```

```

000C 1127      DEFAULT=1000,-
000C 1128      MIN=0,-
000C 1129      MAX=131072,-
000C 1130      NAME=SRPCOUNTV,-
000C 1131      SIZE=LONG,-
000C 1132      TYPE=<SYS,SYSGEN>,-
000C 1133      UNIT=<Packets>
000C 1134      :
000C 1135      : SIZE OF SMALL REQUEST PACKETS (BYTES)
000C 1136      :
000C 1137      : PARAMETER ADDRESS=SGN$GL_SRPSIZE,-
000C 1138      : DEFAULT=96,-
000C 1139      : MIN=96,-
000C 1140      : MAX=144,-
000C 1141      : NAME=SRPSIZE,-
000C 1142      : SIZE=LONG,-
000C 1143      : TYPE=<SPECIAL>,-
000C 1144      : UNIT=<Bytes>
000C 1145      :
000C 1146      : MINIMUM ALLOCATION REQUEST FOR SMALL REQUEST PACKETS (BYTES)
000C 1147      :
000C 1148      : PARAMETER ADDRESS=SGN$GL_SRPMIN,-
000C 1149      : DEFAULT=32,-
000C 1150      : MIN=0,-
000C 1151      : MAX=144,-
000C 1152      : NAME=SRPMIN,-
000C 1153      : SIZE=LONG,-
000C 1154      : TYPE=<SPECIAL>,-
000C 1155      : UNIT=<Bytes>
000C 1156      :
000C 1157      : PERMANENT I/O CHANNEL COUNT - SPECIFES THE NUMBER OF PERMANENT I/O
000C 1158      : CHANNELS TO PROVIDE.
000C 1159      :
000C 1160      : PARAMETER ADDRESS=SGN$GW_PCHANCNT,-
000C 1161      : DEFAULT=127,-
000C 1162      : MIN=31,-
000C 1163      : MAX=2047,-
000C 1164      : NAME=CHANNELCNT,-
000C 1165      : SIZE=WORD,-
000C 1166      : TYPE=<SPECIAL>,-
000C 1167      : UNIT=Channels
000C 1168      :
000C 1169      : PROCESS I/O PAGES - SPECIFIES THE NUMBER OF PAGES OF PROCESS
000C 1170      : I/O ADDRESS SPACE FOR PROCSTRT TO CREATE.
000C 1171      :
000C 1172      : PARAMETER ADDRESS=SGN$GW_PIOPAGES,-
000C 1173      : DEFAULT=120,-
000C 1174      : MIN=10,-
000C 1175      : NAME=PIOPAGES,-
000C 1176      : SIZE=WORD,-
000C 1177      : TYPE=<SPECIAL>,-
000C 1178      : UNIT=Pages
000C 1179      :
000C 1180      :
000C 1181      : CONTROL REGION IMPURE PAGES - SPECIFIES THE NUMBER OF PAGES OF
000C 1182      : PROCESS ALLOCATION REGION SPACE FOR PROCSTRT TO CREATE.
000C 1183      :

```



```

000C 1184      PARAMETER      ADDRESS=SGNSGW_CTLPAGES, - ;
000C 1185      DEFAULT=50, -
000C 1186      MIN=10, -
000C 1187      NAME=CTLPAGES, -
000C 1188      SIZE=WORD, -
000C 1189      TYPE=<SPECIAL>, -
000C 1190      UNIT=Pages
000C 1191
000C 1192      :
000C 1193      : LIMIT ON USE OF THE PROCESS ALLOCATION REGION BY IMAGE REQUESTS
000C 1194      :
000C 1195      PARAMETER      ADDRESS=SGNSGW_CTLIMGLIM, - ;
000C 1196      DEFAULT=35, -
000C 1197      MIN=0, -
000C 1198      NAME=CTLIMGLIM, -
000C 1199      SIZE=WORD, -
000C 1200      TYPE=<SPECIAL>, -
000C 1201      UNIT=Pages
000C 1202      :
000C 1203      : DEFAULT NUMBER OF PAGES OF IMAGE I/O ADDRESS SPACE USED BY
000C 1204      : THE IMAGE ACTIVATOR IF NOT SPECIFIED AT PROGRAM LINK TIME.
000C 1205      :
000C 1206      PARAMETER      ADDRESS=SGNSGW_IMGIOCNT, - ;
000C 1207      DEFAULT=64, -
000C 1208      MIN=32, -
000C 1209      NAME=IMGIOCNT, -
000C 1210      SIZE=WORD, -
000C 1211      TYPE=<DYNAMIC,SPECIAL>, -
000C 1212      UNIT=Pages
000C 1213      .PAGE
000C 1214      .SBTTL CONTROL PARAMETERS
000C 1215
000C 1216      .IIF NOT_DEFINED GETSYSIW, .ALIGN WORD
000C 1217
000C 1218      :
000C 1219      : GENERAL SYSTEM CONTROL PARAMETERS
000C 1220      :
000C 1221      PARAMETER      ADDRESS=SCHSGW_QUAN, - ; PROCESS QUANTUM
000C 1222      DEFAULT=-20, - ; NEGATED
000C 1223      MIN=2, -
000C 1224      MAX=32767, -
000C 1225      NAME=QUANTUM, -
000C 1226      SIZE=WORD, -
000C 1227      TYPE=<DYNAMIC,SYS,NEG,MAJOR>, - ;
000C 1228      UNIT=10ms
000C 1229      :
000C 1230      : MODIFIED PAGE WRITER CONTROL PARAMETERS
000C 1231      :
000C 1232      : DEFINE MPWSAW_INITVAL
000C 1233      :
000C 1234      : PAGE WRITE CLUSTER FACTOR - SPECIFIES THE NUMBER OF PAGES TO ATTEMPT
000C 1235      : TO WRITE AS A SINGLE I/O TRANSFER TO CONTIGUOUS DISK.
000C 1236      :
000C 1237      PARAMETER      ADDRESS=MPWSGW_MPWPFC, - ;
000C 1238      DEFAULT=96, -
000C 1239      MIN=16, -
000C 1240      MAX=120, -

```

```

000C 1241 NAME=MPW_WRTCLUSTER,-
000C 1242 SIZE=WORD,-
000C 1243 TYPE=<SYSGEN,SYS>,-
000C 1244 UNIT=Pages
000C 1245 :
000C 1246 : MODIFIED PAGE LIST HIGH LIMIT - THRESHOLD AT WHICH TO BEGIN WRITING
000C 1247 : MODIFIED PAGES.
000C 1248 :
000C 1249 : PARAMETER ADDRESS=MPW$GW_HILIM,-
000C 1250 : DEFAULT=500,-
000C 1251 : MIN=0,-
000C 1252 : MAX=16384,-
000C 1253 : NAME=MPW_HILIMIT,-
000C 1254 : SIZE=WORD,-
000C 1255 : TYPE=<SYSGEN,SYS>,-
000C 1256 : UNIT=Pages
000C 1257 :
000C 1258 : MODIFIED PAGE LIST LOW LIMIT - THRESHOLD AT WHICH MODIFIED PAGE WRITING
000C 1259 : WILL NORMALLY STOP. WRITING STARTED AT THE HIGH LIMIT AND PAGES
000C 1260 : ARE WRITTEN IN CHUNKS CONTROLLED BY THE CLUSTER FACTOR. WHEN THE
000C 1261 : LENGTH OF THE MODIFIED PAGE LIST HAS BEEN REDUCED BELOW THE LOW LIMIT,
000C 1262 : WRITING CEASES UNTIL ENOUGH PAGES HAVE BEEN ADDED TO EXCEED THE
000C 1263 : HIGH LIMIT.
000C 1264 :
000C 1265 : PARAMETER ADDRESS=MPW$GW_LOLIM,-
000C 1266 : DEFAULT=32,-
000C 1267 : MIN=0,-
000C 1268 : MAX=16384,-
000C 1269 : NAME=MPW_LOLIMIT,-
000C 1270 : SIZE=WORD,-
000C 1271 : TYPE=<SYSGEN,SYS>,-
000C 1272 : UNIT=Pages
000C 1273 :
000C 1274 : MODIFIED PAGE WRITER I/O PRIORITY. THIS PARAMETER SETS THE PRIORITY OF
000C 1275 : I/O TRANSFERS INITIATED BY THE MODIFIED PAGE WRITER.
000C 1276 :
000C 1277 : PARAMETER ADDRESS=MPW$GB_PRIO,-
000C 1278 : DEFAULT=4,-
000C 1279 : MIN=0,-
000C 1280 : MAX=31,-
000C 1281 : NAME=MPW_PRIO,-
000C 1282 : SIZE=BYTE,-
000C 1283 : TYPE=<SPECIAL,DYNAMIC>
000C 1284 :
000C 1285 : SWAPPER I/O PRIORITY. THIS PARAMETER SETS THE PRIORITY OF
000C 1286 : I/O TRANSFERS INITIATED BY THE SWAPPER.
000C 1287 :
000C 1288 : PARAMETER ADDRESS=SWP$GB_PRIO,-
000C 1289 : DEFAULT=4,-
000C 1290 : MIN=0,-
000C 1291 : MAX=31,-
000C 1292 : NAME=SWP_PRIO,-
000C 1293 : SIZE=BYTE,-
000C 1294 : TYPE=<SPECIAL,DYNAMIC>
000C 1295 :
000C 1296 : MODIFIED PAGE WRITER LOWER LIMIT THRESHOLD STOPPING USE OF MODIFIED PAGE
000C 1297 : WRITER FROM BEING USED AS PRIMARY MECHANISM TO RECOVER MEMORY.

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000C 1298 :
000C 1299 :      PARAMETER      ADDRESS=MPW$GL_THRESH,- ;
000C 1300 :      DEFAULT=200,- ;
000C 1301 :      MIN=0,- ;
000C 1302 :      MAX=16384,- ;
000C 1303 :      NAME=MPW_THRESH,- ;
000C 1304 :      SIZE=LONG,- ;
000C 1305 :      TYPE=<SYS,DYNAMIC> ;
000C 1306 :
000C 1307 :      MODIFIED PAGE WRITER BUSY WAIT LIMIT. THIS IS USED AS A THRESHOLD OF
000C 1308 :      WHEN TO PUT A PROCESS INTO RESOURCE WAIT IF IT IS GENERATING A MODIFIED
000C 1309 :      PAGE AND THE SIZE OF THE MODIFIED LIST IS GREATER THAN THIS PARAMETER.
000C 1310 :
000C 1311 :      PARAMETER      ADDRESS=MPW$GL_WAITLIM,- ;
000C 1312 :      DEFAULT=500,- ;
000C 1313 :      MIN=0,- ;
000C 1314 :      MAX=16384,- ;
000C 1315 :      NAME=MPW_WAITLIMIT,- ;
000C 1316 :      SIZE=LONG,- ;
000C 1317 :      TYPE=<SYS,DYNAMIC> ;
000C 1318 :
000C 1319 :      MAXIMUM NUMBER OF WORKING SET LIST ENTRIES THAT MAY BE SKIPPED WHILE
000C 1320 :      SCANNING FOR A "GOOD" ENTRY TO DISCARD. SET TO 0 TO DISABLE SKIPPING.
000C 1321 :
000C 1322 :      PARAMETER      ADDRESS=SGN$GW_WSLMXSKP,- ;
000C 1323 :      DEFAULT=8,- ;
000C 1324 :      MIN=0,- ;
000C 1325 :      MAX=512,- ;
000C 1326 :      NAME=TBSKIPWSL,- ;
000C 1327 :      SIZE=WORD,- ;
000C 1328 :      TYPE=<DYNAMIC,SPECIAL>,- ;
000C 1329 :      UNIT=Pages ;
000C 1330 :
000C 1331 :      Maximum number of physical pages to be used - permits testing of smaller
000C 1332 :      memory configurations without actually removing memory boards.
000C 1333 :
000C 1334 :      PARAMETER      ADDRESS=MMG$GL_PHYPGCNT,- ;
000C 1335 :      DEFAULT=262144,- ;
000C 1336 :      MIN=2048,- ;
000C 1337 :      MAX=262144,- ;
000C 1338 :      NAME=PHYSICALPAGES,- ;
000C 1339 :      SIZE=LONG,- ;
000C 1340 :      TYPE=<SPECIAL>,- ;
000C 1341 :      UNIT=Pages ;
000C 1342 :
000C 1343 :      Page fault rate lower threshold. This parameter sets the lower page fault rate
000C 1344 :      threshold for automatic working set size adjustment.
000C 1345 :
000C 1346 :      PARAMETER      ADDRESS=SCH$GL_PFRATL,- ;
000C 1347 :      DEFAULT=0,- ;
000C 1348 :      MIN=0,- ;
000C 1349 :      NAME=PFRATL,- ;
000C 1350 :      SIZE=LONG,- ;
000C 1351 :      TYPE=<SYS,DYNAMIC,MAJOR>,- ;
000C 1352 :      UNIT=FIts/10Sec ;
000C 1353 :
000C 1354 :

```



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000C 1355 : Page fault rate high threshold. This parameter sets the upper page fault
000C 1356 : rate threshold for automatic working set adjustment.
000C 1357 :
000C 1358 :     PARAMETER     ADDRESS=SCH$GL_PFRATH,- ;
000C 1359 :                   DEFAULT=120,- ;
000C 1360 :                   MIN=0,- ;
000C 1361 :                   NAME=PFRATH,- ;
000C 1362 :                   SIZE=LONG,- ;
000C 1363 :                   TYPE=<SYS,DYNAMIC,MAJOR>,- ;
000C 1364 :                   UNIT=Flts/10Sec ;
000C 1365 :
000C 1366 : Page fault rate system threshold. This parameter sets the target system page
000C 1367 : fault threshold.
000C 1368 :
000C 1369 :     PARAMETER     ADDRESS=SCH$GL_PFRATS,- ;
000C 1370 :                   DEFAULT=0,- ;
000C 1371 :                   MIN=0,- ;
000C 1372 :                   NAME=PFRATS,- ;
000C 1373 :                   SIZE=LONG,- ;
000C 1374 :                   TYPE=<SPECIAL,DYNAMIC>,- ;
000C 1375 :                   UNIT=Flts/10Sec ;
000C 1376 :
000C 1377 : Working set increment. This parameter sets the number of pages to increase the
000C 1378 : working set size to compensate for a high page fault rate.
000C 1379 :
000C 1380 :     PARAMETER     ADDRESS=SCH$GL_WSINC,- ;
000C 1381 :                   DEFAULT=150,- ;
000C 1382 :                   MIN=0,- ;
000C 1383 :                   NAME=WSINC,- ;
000C 1384 :                   SIZE=LONG,- ;
000C 1385 :                   TYPE=<SYS,DYNAMIC,MAJOR>,- ;
000C 1386 :                   UNIT=Pages ;
000C 1387 :
000C 1388 : Working set decrement. This parameter sets the number of pages to decrease
000C 1389 : the working set to compensate for a page fault rate below the lower threshold.
000C 1390 :
000C 1391 :     PARAMETER     ADDRESS=SCH$GL_WSDEC,- ;
000C 1392 :                   DEFAULT=35,- ;
000C 1393 :                   MIN=0,- ;
000C 1394 :                   NAME=WSDEC,- ;
000C 1395 :                   SIZE=LONG,- ;
000C 1396 :                   TYPE=<SYS,DYNAMIC,MAJOR>,- ;
000C 1397 :                   UNIT=Pages ;
000C 1398 :
000C 1399 : Working set minimum. Sets the minimum working set size to ever be set
000C 1400 : by the automatic adjustment logic.
000C 1401 :
000C 1402 :     PARAMETER     ADDRESS=SCH$GW_AWSMIN,- ;
000C 1403 :                   DEFAULT=50,- ;
000C 1404 :                   MIN=0,- ;
000C 1405 :                   NAME=AWSMIN,- ;
000C 1406 :                   SIZE=WORD,- ;
000C 1407 :                   TYPE=<SYS,DYNAMIC>,- ;
000C 1408 :                   UNIT=Pages ;
000C 1409 :
000C 1410 : Working set measurement interval. Sets the minimum interval of compute
000C 1411 : time for the measurement of page fault rate.

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000C 1412 ;
000C 1413 ;
000C 1414 ;
000C 1415 ;
000C 1416 ;
000C 1417 ;
000C 1418 ;
000C 1419 ;
000C 1420 ;
000C 1421 : Swap rate control. This parameter sets the swapping rate and serves to limit
000C 1422 : the consumption of disk bandwidth by swapping.
000C 1423 :
000C 1424 ;
000C 1425 ;
000C 1426 ;
000C 1427 ;
000C 1428 ;
000C 1429 ;
000C 1430 ;
000C 1431 :
000C 1432 : Desired process page count for an outswap swap. This parameter sets the
000C 1433 : number of pages to attempt to reduce a working set to before starting the
000C 1434 : outswap.
000C 1435 :
000C 1436 ;
000C 1437 ;
000C 1438 ;
000C 1439 ;
000C 1440 ;
000C 1441 ;
000C 1442 ;
000C 1443 :
000C 1444 : Swap file allocation increment value. The size in blocks to use to backup
000C 1445 : swap file space allocation in the swap or page file. Space in the file will
000C 1446 : be allocated multiples of this unit up to wsquota to guarantee swap space.
000C 1447 :
000C 1448 ;
000C 1449 ;
000C 1450 ;
000C 1451 ;
000C 1452 ;
000C 1453 ;
000C 1454 ;
000C 1455 :
000C 1456 : I/O time allowance. This parameter sets the number of 10 millisecond
000C 1457 : units to charge the current residence quantum for each voluntary wait.
000C 1458 : The correct value approximates the cost of a disk I/O neglecting wait time.
000C 1459 :
000C 1460 ;
000C 1461 ;
000C 1462 ;
000C 1463 ;
000C 1464 ;
000C 1465 ;
000C 1466 ;
000C 1467 ;
000C 1468 ;

```

PARAMETER ADDRESS=SCH\$GL\_AWSTIME,- ;  
 DEFAULT=20,- ;  
 MIN=1,- ;  
 NAME=AWSTIME,- ;  
 SIZE=LONG,- ;  
 TYPE=<SYS,DYNAMIC>,- ;  
 UNIT=10Ms ;

PARAMETER ADDRESS=SCH\$GL\_SWPRATE,- ;  
 DEFAULT=500,- ;  
 MIN=0,- ;  
 NAME=SWPRATE,- ;  
 SIZE=LONG,- ;  
 TYPE=<SPECIAL,DYNAMIC>,- ;  
 UNIT=10Ms/Swap ;

PARAMETER ADDRESS=SWP\$GL\_SWPPGCNT,- ;  
 DEFAULT=60,- ;  
 MIN=0,- ;  
 NAME=SWPOUTPGCNT,- ;  
 SIZE=LONG,- ;  
 TYPE=<SYS,DYNAMIC>,- ;  
 UNIT=Pages ;

PARAMETER ADDRESS=SWP\$GW\_SWPINC,- ;  
 DEFAULT=96,- ;  
 MIN=16,- ;  
 NAME=SWPALLOCINC,- ;  
 SIZE=WORD,- ;  
 TYPE=<SPECIAL>,- ;  
 UNIT=Blocks ;

PARAMETER ADDRESS=SCH\$GW\_IOTA,- ;  
 DEFAULT=2,- ;  
 MIN=0,- ;  
 MAX=32767,- ;  
 NAME=IOTA,- ;  
 SIZE=WORD,- ;  
 TYPE=<SPECIAL,DYNAMIC>,- ;  
 UNIT=10Ms ;

000C 1469 :  
000C 1470 :  
000C 1471 :  
000C 1472 :  
000C 1473 :  
000C 1474 :  
000C 1475 :  
000C 1476 :  
000C 1477 :  
000C 1478 :  
000C 1479 :  
000C 1480 :  
000C 1481 :  
000C 1482 :  
000C 1483 :  
000C 1484 :  
000C 1485 :  
000C 1486 :  
000C 1487 :  
000C 1488 :  
000C 1489 :  
000C 1490 :  
000C 1491 :  
000C 1492 :  
000C 1493 :  
000C 1494 :  
000C 1495 :  
000C 1496 :  
000C 1497 :  
000C 1498 :  
000C 1499 :  
000C 1500 :  
000C 1501 :  
000C 1502 :  
000C 1503 :  
000C 1504 :  
000C 1505 :  
000C 1506 :  
000C 1507 :  
000C 1508 :  
000C 1509 :  
000C 1510 :  
000C 1511 :  
000C 1512 :  
000C 1513 :  
000C 1514 :  
000C 1515 :  
000C 1516 :  
000C 1517 :  
000C 1518 :  
000C 1519 :  
000C 1520 :  
000C 1521 :  
000C 1522 :  
000C 1523 :  
000C 1524 :  
000C 1525 :

Elapsed realtime to cause a HIB or LEF process to look like it is in longwait. This parameter sets the number of 1 second units that need to have elapsed. Longwait processes are one of the most eligible to attempt to recover pages from when a shortage is detected.

PARAMETER ADDRESS=SCH\$GW\_LONGWAIT,- ;  
DEFAULT=30,- ;  
MIN=0,- ;  
MAX=65535,- ;  
NAME=LONGWAIT,- ;  
SIZE=WORD,- ;  
TYPE=<SYS,DYNAMIC>,- ;  
UNIT=Seconds ;

Elapsed realtime to cause a low priority COM process to look like it is dormant. This parameter sets the number of 1 second units that need to have elapsed. Dormant processes are one of the most eligible to attempt to recover pages from when a shortage is detected.

PARAMETER ADDRESS=SCH\$GW\_DORMANTWAIT,- ;  
DEFAULT=10,- ;  
MIN=0,- ;  
MAX=65535,- ;  
NAME=DORMANTWAIT,- ;  
SIZE=WORD,- ;  
TYPE=<SYS,DYNAMIC>,- ;  
UNIT=Seconds ;

Swap fail count. This parameter sets the number of consecutive swap schedule failures to occur before the swap schedule algorithm changes to ignore the swap quantum protection.

PARAMETER ADDRESS=SCH\$GW\_SWPFAIL,- ;  
DEFAULT=20,- ;  
MIN=0,- ;  
MAX=32767,- ;  
NAME=SWPFAIL,- ;  
SIZE=WORD,- ;  
TYPE=<SPECIAL,DYNAMIC> ;

These are reserved parameters for undefined use by either Digital or user written system services.

This is the start of the Digital reserved parameters.

PARAMETER ADDRESS=SGN\$GL\_VMSD1,- ;  
DEFAULT=0,- ;  
MIN=0,- ;  
NAME=VMSD1,- ;  
SIZE=LONG,- ;  
TYPE=<SPECIAL,DYNAMIC> ;

PARAMETER ADDRESS=SGN\$GL\_VMSD2,- ;  
DEFAULT=0,- ;



```

000C 1526 MIN=0,- ;
000C 1527 NAME=VMSD2,- ;
000C 1528 SIZE=LONG,- ;
000C 1529 TYPE=<SPECIAL,DYNAMIC> ;
000C 1530 :
000C 1531 : PARAMETER ADDRESS=SGNSGL_VMSD3,- ;
000C 1532 : DEFAULT=0,- ;
000C 1533 : MIN=0,- ;
000C 1534 : NAME=VMSD3,- ;
000C 1535 : SIZE=LONG,- ;
000C 1536 : TYPE=<SPECIAL,DYNAMIC> ;
000C 1537 :
000C 1538 : PARAMETER ADDRESS=SGNSGL_VMSD4,- ;
000C 1539 : DEFAULT=0,- ;
000C 1540 : MIN=0,- ;
000C 1541 : NAME=VMSD4,- ;
000C 1542 : SIZE=LONG,- ;
000C 1543 : TYPE=<SPECIAL,DYNAMIC> ;
000C 1544 :
000C 1545 : PARAMETER ADDRESS=SGNSGL_VMS5,- ;
000C 1546 : DEFAULT=0,- ;
000C 1547 : MIN=0,- ;
000C 1548 : NAME=VMS5,- ;
000C 1549 : SIZE=LONG,- ;
000C 1550 : TYPE=<SPECIAL> ;
000C 1551 :
000C 1552 : PARAMETER ADDRESS=SGNSGL_VMS6,- ;
000C 1553 : DEFAULT=0,- ;
000C 1554 : MIN=0,- ;
000C 1555 : NAME=VMS6,- ;
000C 1556 : SIZE=LONG,- ;
000C 1557 : TYPE=<SPECIAL> ;
000C 1558 :
000C 1559 : PARAMETER ADDRESS=SGNSGL_VMS7,- ;
000C 1560 : DEFAULT=0,- ;
000C 1561 : MIN=0,- ;
000C 1562 : NAME=VMS7,- ;
000C 1563 : SIZE=LONG,- ;
000C 1564 : TYPE=<SPECIAL> ;
000C 1565 :
000C 1566 : PARAMETER ADDRESS=SGNSGL_VMS8,- ;
000C 1567 : DEFAULT=0,- ;
000C 1568 : MIN=0,- ;
000C 1569 : NAME=VMS8,- ;
000C 1570 : SIZE=LONG,- ;
000C 1571 : TYPE=<SPECIAL> ;
000C 1572 :
000C 1573 :
000C 1574 :
000C 1575 :
000C 1576 : PARAMETER ADDRESS=SGNSGL_USERD1,- ;
000C 1577 : DEFAULT=0,- ;
000C 1578 : MIN=0,- ;
000C 1579 : NAME=USERD1,- ;
000C 1580 : SIZE=LONG,- ;
000C 1581 : TYPE=<DYNAMIC> ;
000C 1582 :

```

This is the start of the user reserved sysgen parameters.

```

000C 1583      PARAMETER      ADDRESS=SGN$GL_USERD2,- ;
000C 1584      DEFAULT=0,- ;
000C 1585      MIN=0,- ;
000C 1586      NAME=USERD2,- ;
000C 1587      SIZE=LONG,- ;
000C 1588      TYPE=<DYNAMIC> ;
000C 1589 ;
000C 1590      PARAMETER      ADDRESS=SGN$GL_USER3,- ;
000C 1591      DEFAULT=0,- ;
000C 1592      MIN=0,- ;
000C 1593      NAME=USER3,- ;
000C 1594      SIZE=LONG,- ;
000C 1595      TYPE=<> ;
000C 1596 ;
000C 1597      PARAMETER      ADDRESS=SGN$GL_USER4,- ;
000C 1598      DEFAULT=0,- ;
000C 1599      MIN=0,- ;
000C 1600      NAME=USER4,- ;
000C 1601      SIZE=LONG,- ;
000C 1602      TYPE=<> ;
000C 1603 ;
000C 1604 ;
000C 1605      Extra CPU time. This parameter sets the number of 10 millisecond
000C 1606      units to be allowed as an extension when CPU time expires. One
000C 1607      extension is allowed for each access mode.
000C 1608 ;
000C 1609      PARAMETER      ADDRESS=SGN$GL_EXTRACPU,- ;
000C 1610      DEFAULT=1000,- ; 10 Seconds ;
000C 1611      MIN=0,- ;
000C 1612      NAME=EXTRACPU,- ;
000C 1613      SIZE=LONG,- ;
000C 1614      TYPE=<SYS,DYNAMIC>,- ;
000C 1615      UNIT=10Ms ;
000C 1616 ;
000C 1617 ;
000C 1618      Maximum group code for system UIC
000C 1619 ;
000C 1620      PARAMETER      ADDRESS=EXE$GL_SYSUIC,- ;
000C 1621      DEFAULT=8,- ;
000C 1622      MIN=1,- ;
000C 1623      MAX=32768,- ;
000C 1624      NAME=MAXSYSGROUP,- ;
000C 1625      SIZE=LONG,- ;
000C 1626      TYPE=<SYS,DYNAMIC>,- ;
000C 1627      UNIT=<UIC Group> ;
000C 1628 ;
000C 1629      Maximum time for a device to languish in mount verification before giving up.
000C 1630 ;
000C 1631      PARAMETER      ADDRESS=IOC$GW_MVTIMEOUT,- ;
000C 1632      DEFAULT=600,- ; 10 minute default ;
000C 1633      MIN=1,- ;
000C 1634      MAX=64000,- ;
000C 1635      NAME=MVTIMEOUT,- ;
000C 1636      SIZE=WORD,- ;
000C 1637      TYPE=<SYS,DYNAMIC>,- ;
000C 1638      UNIT=Seconds ;
000C 1639 ;

```

```

000C 1640 : Maximum allowable buffered I/O request size
000C 1641 :
000C 1642 :     PARAMETER     ADDRESS=IOCSGW_MAXBUF,- ;
000C 1643 :     DEFAULT=1584,- ;
000C 1644 :     MIN=1200,- ;
000C 1645 :     MAX=64000,- ;
000C 1646 :     NAME=MAXBUF,- ;
000C 1647 :     SIZE=WORD,- ;
000C 1648 :     TYPE=<SYS,DYNAMIC>,- ;
000C 1649 :     UNIT=Bytes
000C 1650 :
000C 1651 : Default buffer quota for Mailbox creation
000C 1652 :
000C 1653 :     PARAMETER     ADDRESS=IOCSGW_MBXBFQUO,- ;
000C 1654 :     DEFAULT=1056,- ;
000C 1655 :     MIN=256,- ;
000C 1656 :     MAX=64000,- ;
000C 1657 :     NAME=DEFMBXBFQUO,- ;
000C 1658 :     SIZE=WORD,- ;
000C 1659 :     TYPE=<SYS,DYNAMIC>,- ;
000C 1660 :     UNIT=Bytes
000C 1661 :
000C 1662 : Default maximum message size for Mailbox creation
000C 1663 :
000C 1664 :     PARAMETER     ADDRESS=IOCSGW_MBXMXMSG,- ;
000C 1665 :     DEFAULT=256,- ;
000C 1666 :     MIN=64,- ;
000C 1667 :     MAX=64000,- ;
000C 1668 :     NAME=DEFMBXMXMSG,- ;
000C 1669 :     SIZE=WORD,- ;
000C 1670 :     TYPE=<SYS,DYNAMIC>,- ;
000C 1671 :     UNIT=Bytes
000C 1672 :
000C 1673 : Default number of messages for Mailbox creation
000C 1674 :
000C 1675 :     PARAMETER     ADDRESS=IOCSGW_MBXNUMMSG,- ;
000C 1676 :     DEFAULT=16,- ;
000C 1677 :     MIN=1,- ;
000C 1678 :     NAME=DEFMBXNUMMSG,- ;
000C 1679 :     SIZE=WORD,- ;
000C 1680 :     TYPE=<SYS,DYNAMIC>,- ;
000C 1681 :     UNIT=Messages
000C 1682 :
000C 1683 : DESIRED FREE LIST LENGTH - SPECIFIES THE NUMBER OF FREE PAGES TO
000C 1684 : BE MAINTAINED AVAILABLE BY THE SWAPPER.
000C 1685 :
000C 1686 :     PARAMETER     ADDRESS=SGNSGL_FREELIM,- ;
000C 1687 :     DEFAULT=32,- ;
000C 1688 :     MIN=16,- ;
000C 1689 :     NAME=FREELIM,- ;
000C 1690 :     SIZE=LONG,- ;
000C 1691 :     TYPE=<SYS,SYSGEN,MAJOR>,- ;
000C 1692 :     UNIT=Pages
000C 1693 :
000C 1694 : Target free list length - specifies the number of free pages
000C 1695 : that the swapper will attempt to make available
000C 1696 : when correcting for free list < FREELIM.

```



```

000C 1697 :
000C 1698 :   PARAMETER   ADDRESS=SGNSGL_FREEGOAL,-      ;
000C 1699 :   DEFAULT=200,-
000C 1700 :   MIN=16,-
000C 1701 :   NAME=FREEGOAL,-
000C 1702 :   SIZE=LONG,-
000C 1703 :   TYPE=<SYS,MAJOR>,-
000C 1704 :   UNIT=Pages
000C 1705 :
000C 1706 :   DESIRED FREE LIST LENGTH THAT MUST EXIST TO ALLOW PROCESSES
000C 1707 :   TO GROW PAST WSQUOTA.
000C 1708 :
000C 1709 :   PARAMETER   ADDRESS=SCH$GL_GROWLIM,-
000C 1710 :   DEFAULT=63,-
000C 1711 :   MIN=0,-
000C 1712 :   NAME=GROWLIM,-
000C 1713 :   SIZE=LONG,-
000C 1714 :   TYPE=<SYS,DYNAMIC,MAJOR>,-
000C 1715 :   UNIT=Pages
000C 1716 :
000C 1717 :   DESIRED FREE LIST LENGTH THAT MUST EXIST TO ALLOW PROCESSES
000C 1718 :   TO GROW PAST WSQUOTA.
000C 1719 :
000C 1720 :   PARAMETER   ADDRESS=SCH$GL_BORROWLIM,-
000C 1721 :   DEFAULT=300,-
000C 1722 :   MIN=0,-
000C 1723 :   NAME=BORROWLIM,-
000C 1724 :   SIZE=LONG,-
000C 1725 :   TYPE=<SYS,DYNAMIC,MAJOR>,-
000C 1726 :   UNIT=Pages
000C 1727 :
000C 1728 :   NUMBER OF RETRIES TO PERFORM WHEN TRYING TO LOCK A MULTI-PROCESSOR
000C 1729 :   DATA STRUCTURE
000C 1730 :
000C 1731 :   PARAMETER   ADDRESS=EXESGL_LOCKRTY,-
000C 1732 :   DEFAULT=100000,-
000C 1733 :   MIN=1,-
000C 1734 :   NAME=LOCKRETRY,-
000C 1735 :   SIZE=LONG,-
000C 1736 :   TYPE=<SPECIAL,DYNAMIC>,-
000C 1737 :   UNIT=Retries
000C 1738 :
000C 1739 :   Maximum DR32 data rate
000C 1740 :
000C 1741 :   PARAMETER   ADDRESS=IOCSGW_XFMXRATE,-
000C 1742 :   DEFAULT=236,-
000C 1743 :   MIN=0,-
000C 1744 :   MAX=255,-
000C 1745 :   NAME=XFMXRATE,-
000C 1746 :   SIZE=WORD,-
000C 1747 :   TYPE=<SYS,DYNAMIC>,-
000C 1748 :   UNIT=Special
000C 1749 :
000C 1750 :   Number of Unibus map registers to preallocate for LPA11
000C 1751 :
000C 1752 :   PARAMETER   ADDRESS=IOCSGW_LAMAPREG,-
000C 1753 :   DEFAULT=0,-

```

```

000C 1754 MIN=0,-
000C 1755 MAX=255,-
000C 1756 NAME=LAMAPREGS,-
000C 1757 SIZE=WORD,-
000C 1758 TYPE=<SYS,SYSGEN>,-
000C 1759 UNIT=Mapregs
000C 1760
000C 1761 :
000C 1762 : Number of SPT entries to preallocate for use by real time processes
000C 1763 : connecting to devices via the connect to interrupt driver.
000C 1764 :
000C 1765
000C 1766 PARAMETER ADDRESS=EXESGL_RTIESPT,-
000C 1767 DEFAULT=0,-
000C 1768 MIN=0,-
000C 1769 NAME=REALTIME_SPTS,-
000C 1770 SIZE=LONG,-
000C 1771 TYPE=<SYS,SYSGEN>,-
000C 1772 UNIT=Pages
000C 1773
000C 1774 :
000C 1775 : Number of pages created for command interpreter symbol table.
000C 1776 :
000C 1777
000C 1778 PARAMETER ADDRESS=EXESGL_CLITABL,-
000C 1779 DEFAULT=60,-
000C 1780 MIN=10,-
000C 1781 MAX=128,-
000C 1782 NAME=CLISYMTBL,-
000C 1783 SIZE=LONG,-
000C 1784 TYPE=<SYS,SYSGEN,DYNAMIC>,-
000C 1785 UNIT=Pages
000C 1786
000C 1787 :
000C 1788 : Initial size of lock id table (and growing increment).
000C 1789 :
000C 1790
000C 1791 PARAMETER ADDRESS=LCK$GL_IDTBLSIZ,-
000C 1792 DEFAULT=200,-
000C 1793 MIN=40,-
000C 1794 MAX=65535,-
000C 1795 NAME=LOCKIDTBL,-
000C 1796 SIZE=LONG,-
000C 1797 TYPE=<SYS,SYSGEN,MAJOR>,-
000C 1798 UNIT=Entries
000C 1799
000C 1800 :
000C 1801 : Maximum size of lock id table.
000C 1802 :
000C 1803
000C 1804 PARAMETER ADDRESS=LCK$GL_IDTBLMAX,-
000C 1805 DEFAULT=800,-
000C 1806 MIN=200,-
000C 1807 MAX=65535,-
000C 1808 NAME=LOCKIDTBL_MAX,-
000C 1809 SIZE=LONG,-
000C 1810 TYPE=<SYS,SYSGEN,MAJOR,DYNAMIC>,-

```

```

000C 1811 UNIT=Entries
000C 1812
000C 1813 ::
000C 1814 :: Size of resource hash table.
000C 1815 ::
000C 1816
000C 1817 PARAMETER ADDRESS=LCK$GL_HTBLSIZ,-
000C 1818 DEFAULT=64,-
000C 1819 MIN=1,-
000C 1820 MAX=8192,-
000C 1821 NAME=RESHASHTBL,-
000C 1822 SIZE=LONG,-
000C 1823 TYPE=<SYS,SYSGEN,MAJOR>,-
000C 1824 UNIT=Entries
000C 1825
000C 1826 ::
000C 1827 :: Deadlock detection timeout period
000C 1828 ::
000C 1829
000C 1830 PARAMETER ADDRESS=LCK$GL_WAITTIME,-
000C 1831 DEFAULT=10,-
000C 1832 MIN=0,-
000C 1833 NAME=DEADLOCK_WAIT,-
000C 1834 SIZE=LONG,-
000C 1835 TYPE=<SYS,DYNAMIC>,-
000C 1836 UNIT=Seconds
000C 1837
000C 1838 ::
000C 1839 :: SCS allocation counts - Buffer Descriptor Table entries
000C 1840 ::
000C 1841 PARAMETER ADDRESS=SCS$GW_BDTCNT,-
000C 1842 DEFAULT=50,-
000C 1843 MIN=0,-
000C 1844 MAX=32767,-
000C 1845 NAME=SCSBUFFCNT,-
000C 1846 SIZE=WORD,-
000C 1847 TYPE=<SYSGEN,SCS>,-
000C 1848 UNIT=Entries
000C 1849
000C 1850 ::
000C 1851 :: SCS allocation counts - Connect Descriptor Table entries
000C 1852 ::
000C 1853 PARAMETER ADDRESS=SCS$GW_CDTTCNT,-
000C 1854 DEFAULT=40,-
000C 1855 MIN=2,-
000C 1856 MAX=32767,-
000C 1857 NAME=SCSCONNCNT,-
000C 1858 SIZE=WORD,-
000C 1859 TYPE=<SYSGEN,SCS>,-
000C 1860 UNIT=Entries
000C 1861
000C 1862 ::
000C 1863 :: SCS allocation counts - Response Descriptor Table entries
000C 1864 ::
000C 1865 PARAMETER ADDRESS=SCS$GW_RDTTCNT,-
000C 1866 DEFAULT=100,-
000C 1867 MIN=0,-

```

```

000C 1868 MAX=32767,-
000C 1869 NAME=SCSR$SPCNT,-
000C 1870 SIZE=WORD,-
000C 1871 TYPE=<SYSGEN,SCS>,-
000C 1872 UNIT=Entries
000C 1873
000C 1874 ::
000C 1875 :: SCS maximum datagram size
000C 1876 ::
000C 1877
000C 1878 PARAMETER ADDRESS=SCS$GW_MAXDG,-
000C 1879 DEFAULT=576,-
000C 1880 MIN=28,-
000C 1881 MAX=985,-
000C 1882 NAME=SCS$MAXDG,-
000C 1883 SIZE=WORD,-
000C 1884 TYPE=<SYSGEN,SCS>,-
000C 1885 UNIT=Bytes
000C 1886
000C 1887 ::
000C 1888 :: SCS maximum sequenced message size
000C 1889 ::
000C 1890
000C 1891 PARAMETER ADDRESS=SCS$GW_MAXMSG,-
000C 1892 DEFAULT=112,-
000C 1893 MIN=52,-
000C 1894 MAX=985,-
000C 1895 NAME=SCS$MAXMSG,-
000C 1896 SIZE=WORD,-
000C 1897 TYPE=<SYSGEN,SCS>,-
000C 1898 UNIT=Bytes
000C 1899
000C 1900 ::
000C 1901 :: SCS flow control cushion
000C 1902 ::
000C 1903
000C 1904 PARAMETER ADDRESS=SCS$GW_FLOWCUSH,-
000C 1905 DEFAULT=1,-
000C 1906 MIN=0,-
000C 1907 MAX=16,-
000C 1908 NAME=SCS$FLOWCUSH,-
000C 1909 SIZE=WORD,-
000C 1910 TYPE=<SCS,DYNAMIC>,-
000C 1911 UNIT=Credits
000C 1912
000C 1913 ::
000C 1914 :: SCS system id (unique 48 bit number per system)
000C 1915 ::
000C 1916
000C 1917 PARAMETER ADDRESS=SCS$GB_SYSTEMID,-
000C 1918 DEFAULT=0,-
000C 1919 NAME=SCS$SYSTEMID,-
000C 1920 SIZE=LONG,-
000C 1921 TYPE=<SYSGEN,SCS>,-
000C 1922 UNIT=Pure-number
000C 1923
000C 1924 PARAMETER ADDRESS=SCS$GB_SYSTEMIDH,-

```



```

000C 1925      DEFAULT=0,-
000C 1926      NAME=SCSSYSTEMIDH,-
000C 1927      SIZE=LONG,-
000C 1928      TYPE=<SYSGEN,SCS>,-
000C 1929      UNIT=Pure-number
000C 1930
000C 1931      :
000C 1932      : SCS system node name
000C 1933      :
000C 1934      :
000C 1935      PARAMETER      ADDRESS=SCS$GB_NODENAME,-
000C 1936      DEFAULT=<^A/ />,-
000C 1937      MIN=<^A/ />,-
000C 1938      MAX=<^A/ZZZZ/>,-
000C 1939      NAME=SCSNODE,-
000C 1940      SIZE=QUAD,-
000C 1941      TYPE=<ASCII,SYSGEN,SCS>,-
000C 1942      UNIT=Ascii
000C 1943
000C 1944      :
000C 1945      : SCA process poller - polling interval
000C 1946      :
000C 1947      :
000C 1948      PARAMETER      ADDRESS=SCS$GW_PRCPOLINT,-
000C 1949      DEFAULT=15,-
000C 1950      MIN=1,-
000C 1951      MAX=32767,-
000C 1952      NAME=PRCPOLINTERVAL,-
000C 1953      SIZE=WORD,-
000C 1954      TYPE=<SCS,DYNAMIC>,-
000C 1955      UNIT=Seconds
000C 1956
000C 1957      :
000C 1958      : CI port - timeout for START/STACK sequence, also basic driver wakeup interval
000C 1959      :
000C 1960      :
000C 1961      PARAMETER      ADDRESS=SCS$GW_PASTMOUT,-
000C 1962      DEFAULT=5,-
000C 1963      MIN=1,-
000C 1964      MAX=99,-
000C 1965      NAME=PASTIMOUT,-
000C 1966      SIZE=WORD,-
000C 1967      TYPE=<SCS,DYNAMIC>,-
000C 1968      UNIT=Seconds
000C 1969
000C 1970      :
000C 1971      : CI port - number of DG buffers to queue for START handshake
000C 1972      :
000C 1973      :
000C 1974      PARAMETER      ADDRESS=SCS$GW_PAPDDG,-
000C 1975      DEFAULT=4,-
000C 1976      MIN=1,-
000C 1977      MAX=16,-
000C 1978      NAME=PASTDGBUF,-
000C 1979      SIZE=WORD,-
000C 1980      TYPE=<SCS>,-
000C 1981      UNIT=Buffers

```

```

000C 1982
000C 1983 ::
000C 1984 :: CI port - number of ports to poll each interval (for future expansion)
000C 1985 ::
000C 1986
000C 1987     PARAMETER     ADDRESS=SCS$GB_PANPOLL,-
000C 1988     DEFAULT=16,-
000C 1989     MIN=1,-
000C 1990     MAX=223,-
000C 1991     NAME=PANUMPOLL,-
000C 1992     SIZE=BYTE,-
000C 1993     TYPE=<SCS,DYNAMIC>,-
000C 1994     UNIT=Ports
000C 1995
000C 1996 ::
000C 1997 :: CI port - maximum port # to poll each interval (for future expansion)
000C 1998 ::
000C 1999
000C 2000     PARAMETER     ADDRESS=SCS$GB_PAMXPORT,-
000C 2001     DEFAULT=15,-
000C 2002     MIN=0,-
000C 2003     MAX=223,-
000C 2004     NAME=PAMAXPORT,-
000C 2005     SIZE=BYTE,-
000C 2006     TYPE=<SCS,DYNAMIC>,-
000C 2007     UNIT=Port-number
000C 2008
000C 2009 :: CI port - time between poll initiates
000C 2010 ::
000C 2011
000C 2012     PARAMETER     ADDRESS=SCS$GW_PAPOLINT,-
000C 2013     DEFAULT=5,-
000C 2014     MIN=1,-
000C 2015     MAX=32767,-
000C 2016     NAME=PAPOLLINTERVAL,-
000C 2017     SIZE=WORD,-
000C 2018     TYPE=<SCS,DYNAMIC>,-
000C 2019     UNIT=Seconds
000C 2020
000C 2021 ::
000C 2022 :: CI port - time between check for SYSAP's waiting for pool
000C 2023 ::
000C 2024
000C 2025     PARAMETER     ADDRESS=SCS$GW_PAPOOLIN,-
000C 2026     DEFAULT=15,-
000C 2027     MIN=1,-
000C 2028     MAX=32767,-
000C 2029     NAME=PAPOOLINTERVAL,-
000C 2030     SIZE=WORD,-
000C 2031     TYPE=<SCS,DYNAMIC>,-
000C 2032     UNIT=Seconds
000C 2033
000C 2034 ::
000C 2035 :: CI port - Flags including sanity timer enable/disable
000C 2036 ::
000C 2037
000C 2038     PARAMETER     ADDRESS=SCS$GB_PASANITY,-

```

```

000C 2039          DEFAULT=1,-
000C 2040          MIN=0,-
000C 2041          MAX=1,-
000C 2042          NAME=PANITY,-
000C 2043          SIZE=BYTE,-
000C 2044          TYPE=<SCS,DYNAMIC>,-
000C 2045          UNIT=Boolean
000C 2046
000C 2047          ::
000C 2048          :: CI port - Flags including CI remote port polling enable/disable
000C 2049          ::
000C 2050
000C 2051          PARAMETER      ADDRESS=SCS$GB_PANOPOLL,-
000C 2052          DEFAULT=0,-
000C 2053          MIN=0,-
000C 2054          MAX=1,-
000C 2055          NAME=PANOPOLL,-
000C 2056          SIZE=BYTE,-
000C 2057          TYPE=<SCS,DYNAMIC>,-
000C 2058          UNIT=Boolean
000C 2059
000C 2060          ::
000C 2061          :: This is the start of the PEDRIVER reserved SYSGEN parameters.
000C 2062          ::
000C 2063
000C 2064          PARAMETER      ADDRESS=SGN$GL_PE1,-
000C 2065          DEFAULT=0,-
000C 2066          MIN=0,-
000C 2067          NAME=PE1,-
000C 2068          SIZE=LONG,-
000C 2069          TYPE=<SPECIAL,DYNAMIC>
000C 2070
000C 2071          PARAMETER      ADDRESS=SGN$GL_PE2,-
000C 2072          DEFAULT=0,-
000C 2073          MIN=0,-
000C 2074          NAME=PE2,-
000C 2075          SIZE=LONG,-
000C 2076          TYPE=<SPECIAL,DYNAMIC>
000C 2077
000C 2078          PARAMETER      ADDRESS=SGN$GL_PE3,-
000C 2079          DEFAULT=0,-
000C 2080          MIN=0,-
000C 2081          NAME=PE3,-
000C 2082          SIZE=LONG,-
000C 2083          TYPE=<SPECIAL,DYNAMIC>
000C 2084
000C 2085          PARAMETER      ADDRESS=SGN$GL_PE4,-
000C 2086          DEFAULT=0,-
000C 2087          MIN=0,-
000C 2088          NAME=PE4,-
000C 2089          SIZE=LONG,-
000C 2090          TYPE=<SPECIAL,DYNAMIC>
000C 2091
000C 2092          PARAMETER      ADDRESS=SGN$GL_PE5,-
000C 2093          DEFAULT=0,-
000C 2094          MIN=0,-
000C 2095          NAME=PE5,-

```

```

000C 2096 SIZE=LONG,-
000C 2097 TYPE=<SPECIAL>
000C 2098
000C 2099 PARAMETER ADDRESS=SGN$GL_PE6,-
000C 2100 DEFAULT=0,-
000C 2101 MIN=0,-
000C 2102 NAME=PE6,-
000C 2103 SIZE=LONG,-
000C 2104 TYPE=<SPECIAL>
000C 2105
000C 2106
000C 2107 Time prompt timeout - this parameter sets the amount of time to wait
000C 2108 for the time of day to be entered when booting. The default value
000C 2109 of -1 gives the behavior of V2 and earlier.
000C 2110
000C 2111 PARAMETER ADDRESS=SGN$GW_TPWAIT,-
000C 2112 DEFAULT=-1,-
000C 2113 MIN=0,-
000C 2114 NAME=TIMEPROMPTWAIT,-
000C 2115 SIZE=WORD,-
000C 2116 TYPE=<SYS>,-
000C 2117 UNIT=uFortnights ; Close enough to seconds
000C 2118
000C 2119
000C 2120 UDA port - UDABURSTRATE is one less than the maximum number of longwords
000C 2121 the host is willing to allow per NPR transfer. Zero implies
000C 2122 the port should use its own default. Both the port's
000C 2123 default and the maximum the port will accept are Controller
000C 2124 dependent.
000C 2125
000C 2126
000C 2127 PARAMETER ADDRESS=SCS$GB_UDABURST,-
000C 2128 DEFAULT=0,-
000C 2129 MIN=0,-
000C 2130 MAX=31,-
000C 2131 NAME=UDABURSTRATE,-
000C 2132 SIZE=BYTE,-
000C 2133 TYPE=<SYSGEN,SCS>,-
000C 2134 UNIT=Longwords
000C 2135
000C 2136
000C 2137 NOTE: The following two entries must be contiguous and in order!!!!
000C 2138
000C 2139 Size of SYSTEM space logical name hash table.
000C 2140
000C 2141
000C 2142
000C 2143 PARAMETER ADDRESS=LNMS$GL_HTBLSIZE,-
000C 2144 DEFAULT=128,-
000C 2145 MIN=1,-
000C 2146 MAX=16383,-
000C 2147 NAME=LNMSHASHTBL,-
000C 2148 SIZE=LONG,-
000C 2149 TYPE=<SYS,SYSGEN>,-
000C 2150 UNIT=Entries
000C 2151
000C 2152 ;

```



```

000C 2153 : Size of PROCESS space logical name hash table.
000C 2154 :
000C 2155 :
000C 2156 PARAMETER ADDRESS=LNMSGL_HTBLSIZP,-
000C 2157 DEFAULT=128,-
000C 2158 MIN=1,-
000C 2159 MAX=16383,-
000C 2160 NAME=LNMPHASHTBL,-
000C 2161 SIZE=LONG,-
000C 2162 TYPE=<SYS,SYSGEN>,-
000C 2163 UNIT=Entries
000C 2164
000C 2165 .IF NOT_DEFINED GETSYISW
000C 2166 :
000C 2167 PERMANENT DEFAULT SYSTEM FLAGS
000C 2168 :
000C 2169 .ALIGN LONG
000C 2170 .IF NDF,PRMSW
000C 2171 EXESGL_DEFFLAGS::
000C 2172 .ENDC
000C 2173 .LONG <10EXESV SYSPAGING>- ENABLE SYSTEM CODE PAGING
000C 2174 !<10EXESV POOLPGING>- ENABLE SYSTEM POOL PAGING
000C 2175 !<10EXESV SBIERR>- SBI ERROR DETECTION
000C 2176 !<10EXESV BUGREBOOT>- AUTOMATIC REBOOT ON BUGCHECK
000C 2177 !<10EXESV CRDENABL>- ENABLE CRD ERROR DETECTION
000C 2178 !<10EXESV BUGDUMP>- SYSTEM DUMP ON BUGCHECK
000C 2179 !<10EXESV CONCEALED>- ENABLE USE OF CONCEALED DEVICES
000C 2180 !<10EXESV JOBQUEUES>- Enable job controller queues
000C 2181 !<10EXESV SHRF11ACP> : SHARE F11ACP
000C 2182
000C 2183 .ENDC ; NOT_DEFINED GETSYISW
000C 2184
000C 2185 :
000C 2186 BUGCHECK REBOOT - ENABLES AUTOMATIC REBOOT ON BUGCHECK
000C 2187 :
000C 2188 .LIST ME
000C 2189 .NLIST CND
000C 2190 PARAMETER ADDRESS=EXESGL_DEFFLAGS,- ;
000C 2191 DEFAULT=1,-
000C 2192 MAX=1,-
000C 2193 MIN=0,-
000C 2194 NAME=BUGREBOOT,-
000C 2195 BIT=EXESV BUGREBOOT,- ;
000C 2196 TYPE=<DYNAMIC,SYS>,- ;
000C 2197 UNIT=Boolean
000C 2198 .NLIST ME
000C 2199 .LIST CND
000C 2200 :
000C 2201 CRD ERROR ENABLE - ENABLES DETECTION AND LOGGING OF MEMORY CRD ERRORS
000C 2202 :
000C 2203 PARAMETER ADDRESS=EXESGL_DEFFLAGS,- ;
000C 2204 DEFAULT=1,-
000C 2205 MAX=1,-
000C 2206 MIN=0,-
000C 2207 NAME=CRDENABL,-
000C 2208 BIT=EXESV CRDENABL,- ;
000C 2209 TYPE=<SYS,SYSGEN>- ;

```

000C 2210  
000C 2211  
000C 2212  
000C 2213  
000C 2214  
000C 2215  
000C 2216  
000C 2217  
000C 2218  
000C 2219  
000C 2220  
000C 2221  
000C 2222  
000C 2223  
000C 2224  
000C 2225  
000C 2226  
000C 2227  
000C 2228  
000C 2229  
000C 2230  
000C 2231  
000C 2232  
000C 2233  
000C 2234  
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000C 2239  
000C 2240  
000C 2241  
000C 2242  
000C 2243  
000C 2244  
000C 2245  
000C 2246  
000C 2247  
000C 2248  
000C 2249  
000C 2250  
000C 2251  
000C 2252  
000C 2253  
000C 2254  
000C 2255  
000C 2256  
000C 2257  
000C 2258  
000C 2259  
000C 2260  
000C 2261  
000C 2262  
000C 2263  
000C 2264  
000C 2265  
000C 2266

UNIT=Boolean

BUGCHECK DUMP ENABLE - ENABLE SYSTEM DUMP ON BUGCHECK

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,- ;  
DEFAULT=1,-  
MAX=1,-  
MIN=0,-  
NAME=DUMPBUG,-  
BIT=EXESV\_BUGDUMP,- ;  
TYPE=<SYS,-  
UNIT=Boolean

FATAL BUGCHECK - TURNS ALL CONTINUABLE BUGCHECKS INTO FATAL BUGCHECKS

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,- ;  
DEFAULT=0,-  
MAX=1,-  
MIN=0,-  
NAME=BUGCHECKFATAL,- ;  
BIT=EXESV\_FATAL\_BUG,- ;  
TYPE=<SYS,DYNAMIC>,- ;  
UNIT=Boolean

MULTIPLE ACP - SPECIFIES THAT SEPARATE ACPs ARE TO BE CREATED FOR EACH CLASS OF DISK.

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,- ;  
DEFAULT=0,-  
MAX=1,-  
MIN=0,-  
NAME=ACP\_MULTIPLE,-  
BIT=EXESV\_MULTACP,-  
TYPE=<ACP,DYNAMIC>,-  
UNIT=Boolean

AUTO CONFIGURATION INHIBIT - INHIBITS THE AUTOMATIC CONFIGURATION OF DEVICES.

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,- ;  
DEFAULT=0,-  
MAX=1,-  
MIN=0,-  
NAME=NOAUTOCONFIG,-  
BIT=EXESV\_NOAUTOCNF,-  
TYPE=<SPECIAL,DYNAMIC>,- ;  
UNIT=Boolean

NO CLOCK - INHIBITS THE STARTING OF THE INTERVAL TIMER FOR DEBUGGING PURPOSES.

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,- ;  
DEFAULT=0,-  
MAX=1,-  
MIN=0,-  
NAME=NOCLOCK,-  
BIT=EXESV\_NOCLOCK,- ;

```

000C 2267      TYPE=<SPECIAL>,-      ;
000C 2268      UNIT=Boolean
000C 2269      :
000C 2270      CLUSTERING INHIBIT - INHIBITS ALL PAGE READ CLUSTERING
000C 2271      :
000C 2272      PARAMETER      ADDRESS=EXESGL_DEFFLAGS,-      ;
000C 2273      DEFAULT=0,-      :
000C 2274      MAX=1,-      :
000C 2275      MIN=0,-      :
000C 2276      NAME=NOCLUSTER,-      :
000C 2277      BIT=EXESV_NOCLUSTER,-      :
000C 2278      TYPE=<SPECIAL>,-      :
000C 2279      UNIT=Boolean
000C 2280      :
000C 2281      ENABLE PAGING OF PAGED DYNAMIC POOL
000C 2282      :
000C 2283      PARAMETER      ADDRESS=EXESGL_DEFFLAGS,-      ;
000C 2284      DEFAULT=1,-      :
000C 2285      MAX=1,-      :
000C 2286      MIN=0,-      :
000C 2287      NAME=POOLPAGING,-      :
000C 2288      BIT=EXESV_POOLPAGING,-      :
000C 2289      TYPE=<SPECIAL>,-      :
000C 2290      UNIT=Boolean
000C 2291      :
000C 2292      SBI ERROR DETECTION ENABLE
000C 2293      :
000C 2294      PARAMETER      ADDRESS=EXESGL_DEFFLAGS,-      ;
000C 2295      DEFAULT=1,-      :
000C 2296      MAX=1,-      :
000C 2297      MIN=0,-      :
000C 2298      NAME=SBIERRENABLE,-      :
000C 2299      BIT=EXESV_SBIERR,-      :
000C 2300      TYPE=<SPECIAL>,-      :
000C 2301      UNIT=Boolean
000C 2302      :
000C 2303      FORCE ENTRY OF TIME AT SYSTEM BOOT
000C 2304      :
000C 2305      PARAMETER      ADDRESS=EXESGL_DEFFLAGS,-      ;
000C 2306      DEFAULT=0,-      :
000C 2307      MAX=1,-      :
000C 2308      MIN=0,-      :
000C 2309      NAME=SETTIME,-      :
000C 2310      BIT=EXESV_SETTIME,-      :
000C 2311      TYPE=<SYS,SYSGEN>,-      :
000C 2312      UNIT=Boolean
000C 2313      :
000C 2314      ENABLE SHARING OF F11ACP
000C 2315      :
000C 2316      PARAMETER      ADDRESS=EXESGL_DEFFLAGS,-      ;
000C 2317      DEFAULT=1,-      :
000C 2318      MAX=1,-      :
000C 2319      MIN=0,-      :
000C 2320      NAME=ACP_SHARE,-      :
000C 2321      BIT=EXESV_SHRF11ACP,-      :
000C 2322      TYPE=<ACPS>,-      :
000C 2323      UNIT=Boolean

```

000C 2324 :  
000C 2325 :  
000C 2326 :  
000C 2327 :  
000C 2328 :  
000C 2329 :  
000C 2330 :  
000C 2331 :  
000C 2332 :  
000C 2333 :  
000C 2334 :  
000C 2335 :  
000C 2336 :  
000C 2337 :  
000C 2338 :  
000C 2339 :  
000C 2340 :  
000C 2341 :  
000C 2342 :  
000C 2343 :  
000C 2344 :  
000C 2345 :  
000C 2346 :  
000C 2347 :  
000C 2348 :  
000C 2349 :  
000C 2350 :  
000C 2351 :  
000C 2352 :  
000C 2353 :  
000C 2354 :  
000C 2355 :  
000C 2356 :  
000C 2357 :  
000C 2358 :  
000C 2359 :  
000C 2360 :  
000C 2361 :  
000C 2362 :  
000C 2363 :  
000C 2364 :  
000C 2365 :  
000C 2366 :  
000C 2367 :  
000C 2368 :  
000C 2369 :  
000C 2370 :  
000C 2371 :  
000C 2372 :  
000C 2373 :  
000C 2374 :  
000C 2375 :  
000C 2376 :  
000C 2377 :  
000C 2378 :  
000C 2379 :  
000C 2380 :

# ENABLE PAGING OF SYSTEM CODE

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,-;  
DEFAULT=1,-;  
MAX=1,-;  
MIN=0,-;  
NAME=\$SYSPAGING,-;  
BIT=EXESV\_SYSPAGING,-;  
TYPE=<SPECIAL>,-;  
UNIT=Boolean

# SELECT ALTERNATE AUTHORIZATION FILE - CAUSES SYSINIT TO MAKE A LOGICAL NAME REDIRECTING SYSUAF TO SYSUAFALT.

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,-;  
DEFAULT=0,-;  
MAX=1,-;  
MIN=0,-;  
NAME=UAFALTERNATE,-;  
BIT=EXESV\_SYSUAFALT,-;  
TYPE=<SYS,SYSGEN>,-;  
UNIT=Boolean

# LEAVE SYSTEM WRITABLE - FOR DEBUGGING PURPOSES LEAVES SYSTEM CODE WRITABLE.

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,-;  
DEFAULT=0,-;  
MAX=1,-;  
MIN=0,-;  
NAME=WRITABLESYS,-;  
BIT=EXESV\_SYSWRITABLE,-;  
TYPE=<SPECIAL>,-;  
UNIT=Boolean

# Enable resource allocation checking

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,-;  
DEFAULT=0,-;  
MAX=1,-;  
MIN=0,-;  
NAME=RESALLOC,-;  
BIT=EXESV\_RESALLOC,-;  
TYPE=<SPECIAL>,-;  
UNIT=Boolean

# SET TO INHIBIT SYSTEM SERVICES ON A PER PROCESS BASIS

PARAMETER ADDRESS=EXESGL\_DEFFLAGS,-;  
DEFAULT=0,-;  
MAX=1,-;  
MIN=0,-;  
NAME=\$SSINHIBIT,-;  
BIT=EXESV\_SSINHIBIT,-;



```

000C 2381 TYPE=<SPECIAL>,- ;
000C 2382 UNIT=Boolean
000C 2383
000C 2384 ::
000C 2385 :: RESET TO DISABLE THE USE OF CONCEALED DEVICES
000C 2386 ::
000C 2387 PARAMETER ADDRESS=EXESGL_DEFFLAGS,- ;
000C 2388 DEFAULT=1,- ;
000C 2389 MAX=1,- ;
000C 2390 MIN=0,- ;
000C 2391 NAME=CONCEAL DEVICES,- ;
000C 2392 BIT=EXESV CONCEALED,- ;
000C 2393 TYPE=<SPECIAL>,- ;
000C 2394 UNIT=Boolean
000C 2395 ::
000C 2396 :: SAVEDUMP - IF THE DUMP IS IN THE PAGE FILE, SAVE IT UNTIL IT IS
000C 2397 :: ANALYZED AND COPIED.
000C 2398 ::
000C 2399 PARAMETER ADDRESS=EXESGL_DEFFLAGS,- ;
000C 2400 DEFAULT=0,- ;
000C 2401 MAX=1,- ;
000C 2402 MIN=0,- ;
000C 2403 NAME=SAVEDUMP,- ;
000C 2404 BIT=EXESV SAVEDUMP,- ;
000C 2405 TYPE=<SYSS>,- ;
000C 2406 UNIT=Boolean
000C 2407 ::
000C 2408 :: CJFLOAD - Force CJF to be loaded as part of VMS during STARTUP
000C 2409 :: **JNL** this parameter is temporarily special and off
000C 2410 ::
000C 2411 PARAMETER ADDRESS=EXESGL_DEFFLAGS,- ;
000C 2412 :: **JNL** DEFAULT=1,- ;
000C 2413 DEFAULT=0,- ;
000C 2414 MAX=1,- ;
000C 2415 MIN=0,- ;
000C 2416 NAME=CJFLOAD,- ;
000C 2417 BIT=EXESV CJFLOAD,- ;
000C 2418 :: **JNL** TYPE=<SYSS>,- ;
000C 2419 TYPE=<SPECIAL>,- ;
000C 2420 UNIT=Boolean
000C 2421 ::
000C 2422 :: CJFSYSRUJ - Force creation of Recovery Unit journal for system disk
000C 2423 :: during STARTUP. Recovery will take place during creation
000C 2424 :: of this journal.
000C 2425 :: **JNL** this parameter is temporarily special
000C 2426 ::
000C 2427 PARAMETER ADDRESS=EXESGL_DEFFLAGS,- ;
000C 2428 DEFAULT=0,- ;
000C 2429 MAX=1,- ;
000C 2430 MIN=0,- ;
000C 2431 NAME=CJFSYSRUJ,- ;
000C 2432 BIT=EXESV CJFSYSRUJ,- ;
000C 2433 :: **JNL** TYPE=<SYSS>,- ;
000C 2434 TYPE=<SPECIAL>,- ;
000C 2435 UNIT=Boolean
000C 2436
000C 2437 .IF NOT_DEFINED GETSYISM

```

```

000C 2438 ::
000C 2439 :: DYNAMIC SYSTEM CONTROL FLAGS.
000C 2440 ::
000C 2441 .ALIGN LONG
000C 2442 .IF NDF,PRMSW
000C 2443 EXESGL_DYNAMIC_FLAGS::
000C 2444 .ENDC : NDF,PRMSW
000C 2445 .LONG <10EXESV_WRITESYSPARAMS>:-
000C 2446 <10EXESV_BRK_TERM>;
000C 2447 .ENDC : NOT_DEFINED GETSYISW
000C 2448
000C 2449 $YIELD EXE,0,<-
000C 2450 CLASS_PROT,-
000C 2451 WRITESYSPARAMS,-
000C 2452 BRK_TERM,-
000C 2453 BRK_DISUSER,-
000C 2454 >
000C 2455
000C 2456 ::
000C 2457 CLASS_PROT - Perform the non-discretionary classification
000C 2458 checks. This also is looked at by the XQP to
000C 2459 determine of a classification block should be
000C 2460 added to the header of any created files.
000C 2461 ::
000C 2462 PARAMETER ADDRESS=EXESGL_DYNAMIC_FLAGS,- ;
000C 2463 DEFAULT=0,-
000C 2464 MAX=1,-
000C 2465 MIN=0,-
000C 2466 NAME=CLASS_PROT,-;
000C 2467 BIT=EXESV CLASS_PROT,- ;
000C 2468 TYPE=<DYNAMIC,SYS>,- ;
000C 2469 UNIT=Boolean
000C 2470
000C 2471 ::
000C 2472 WRITESYSPARAMS - Set by SYSBOOT if a USE DEFAULT, USE "file", or a
000C 2473 SET command is executed. Cleared if a USE CURRENT or
000C 2474 WRITE CURRENT command is executed. If set STARTUP.COM
000C 2475 will issue a WRITE CURRENT SYSGEN command.
000C 2476 ::
000C 2477 PARAMETER ADDRESS=EXESGL_DYNAMIC_FLAGS,- ;
000C 2478 DEFAULT=1,-
000C 2479 MAX=1,-
000C 2480 MIN=0,-
000C 2481 NAME=WRITESYSPARAMS,-;
000C 2482 BIT=EXESV WRITESYSPARAMS,-;
000C 2483 TYPE=<DYNAMIC,SPECIAL>,-;
000C 2484 UNIT=Boolean
000C 2485
000C 2486 ::
000C 2487 LGI_BRK_TERM - Use the terminal name in the association string
000C 2488 used in LOGIN's breakin detection. If not set,
000C 2489 breakin detection associates on username alone
000C 2490 for terminal logins.
000C 2491 ::
000C 2492 PARAMETER ADDRESS=EXESGL_DYNAMIC_FLAGS,- ;
000C 2493 DEFAULT=1,-
000C 2494

```

```

000C 2495 MAX=1,-
000C 2496 MIN=0,-
000C 2497 NAME=LGI BRK TERM,-;
000C 2498 BIT=EXESV BRK TERM,-;
000C 2499 TYPE=<DYNAMIC,LGI>,-;
000C 2500 UNIT=Boolean
000C 2501
000C 2502
000C 2503 LGI_BRK_DISUSER - If enabled, set the DISUSER flag in the user's
000C 2504 UAF record if a breakin attempt is detected.
000C 2505 This assures a permanent lockout of the user
000C 2506 until re-enabled by the system manager.
000C 2507
000C 2508 PARAMETER ADDRESS=EXESGL_DYNAMIC_FLAGS,- ;
000C 2509 DEFAULT=0,-
000C 2510 MAX=1,-
000C 2511 MIN=0,-
000C 2512 NAME=LGI BRK DISUSER,-;
000C 2513 BIT=EXESV BRK DISUSER,-;
000C 2514 TYPE=<DYNAMIC,LGI>,-;
000C 2515 UNIT=Boolean
000C 2516
000C 2517
000C 2518 .IF NOT_DEFINED GETSYSW
000C 2519
000C 2520 ; STATIC SYSTEM CONTROL FLAGS.
000C 2521
000C 2522 .ALIGN LONG
000C 2523 .IF NDF,PRMSW
000C 2524 EXESGL_STATIC_FLAGS:: Static SYSGEN flags
000C 2525 .ENDC ; NDF,PRMSW
000C 2526 .LONG <10EXESV XQP RESIDENT>!<10EXESV_REBLDSYSD>
000C 2527 .ENDC ; NOT_DEFINED GETSYSW
000C 2528
000C 2529 $VIELD EXE,0,<- ; DEFINITION FOR EXESGL_STATIC_FLAGS
000C 2530 XQP RESIDENT,- ; MEMORY RESIDENT XQP
000C 2531 REBLDSYSD,- ; REBUILD SYSTEM DISK IN SYSMOUNT
000C 2532 >
000C 2533
000C 2534
000C 2535 .PAGE
000C 2536 .SBTTL SYSTEM MESSAGE PARAMETERS
000C 2537
000C 2538 ; DEFINE THE CONTROL BITS IN EXESGL_MSGFLAGS
000C 2539
000C 2540 $GBLINI GLOBAL
000C 2541 $VIELD EXE,0,<-
000C 2542 MOUNTMSG,- ; ENABLE MOUNT NOTIFICATION
000C 2543 DISMOUNTMSG,- ; ENABLE DISMOUNT NOTIFICATION
000C 2544 >
000C 2545
000C 2546 .IF NOT_DEFINED GETSYSW
000C 2547
000C 2548 ; DEFINE THE EXESGL_MSGFLAGS LONGWORD AND ITS INITIAL VALUE.
000C 2549
000C 2550 .ALIGN LONG
000C 2551 .IF NDF,PRMSW

```

```

000C 2552 EXE$GL_MSGFLAGS::
000C 2553 .ENDC
000C 2554 .LONG 0
000C 2555
000C 2556 .ENDC ; NOT_DEFINED GETSYISW
000C 2557
000C 2558
000C 2559 MOUNTMSG - CONTROLS OPERATOR NOTIFICATION OF VOLUME MOUNTING
000C 2560
000C 2561 PARAMETER ADDRESS=EXE$GL_MSGFLAGS,-
000C 2562 DEFAULT=0,-
000C 2563 MAX=1,-
000C 2564 MIN=0,-
000C 2565 NAME=MOUNTMSG,-
000C 2566 BIT=EXE$V_MOUNTMSG,-
000C 2567 TYPE=<SYS,DYNAMIC>,-
000C 2568 UNIT=Boolean
000C 2569
000C 2570 DISMOUMSG - Controls operator notification of volume dismounting
000C 2571
000C 2572 PARAMETER ADDRESS=EXE$GL_MSGFLAGS,-
000C 2573 DEFAULT=0,-
000C 2574 MAX=1,-
000C 2575 MIN=0,-
000C 2576 NAME=DISMOUMSG,-
000C 2577 BIT=EXE$V_DISMOUMSG,-
000C 2578 TYPE=<SYS,DYNAMIC>,-
000C 2579 UNIT=Boolean
000C 2580
000C 2581 .PAGE
000C 2582 .SBTTL SYSTEM LOADABLE CODE PARAMETERS
000C 2583
000C 2584 : DEFINE THE CONTROL BITS IN SGN$GL_LOADFLAGS
000C 2585
000C 2586 $GBLINI GLOBAL
000C 2587 $VIELD SGN,0,<-
000C 2588 LOADERAPAT,- ; LOAD ERASE PATTERN GENERATOR
000C 2589 LOADCHKPRT,- ; LOAD PROTECTION CHECK ROUTINE
000C 2590 LOADMTACCESS,- ; LOAD INSTALLATION ACCESSIBILITY ROUTINE
000C 2591 >
000C 2592
000C 2593 .IF NOT_DEFINED GETSYISW
000C 2594
000C 2595 : DEFINE THE SGN$GL_LOADFLAGS LONGWORD AND ITS INITIAL VALUE.
000C 2596
000C 2597 .ALIGN LONG
000C 2598 .IF NDF,PRMSW
000C 2599 SGN$GL_LOADFLAGS::
000C 2600 .ENDC
000C 2601 .LONG 0
000C 2602
000C 2603 .ENDC ; NOT_DEFINED GETSYISW
000C 2604
000C 2605
000C 2606 LOADERAPAT- CONTROLS LOADING OF ALTERNATE ERASE PATTERN GENERATOR
000C 2607
000C 2608 PARAMETER ADDRESS=SGN$GL_LOADFLAGS,-

```



```

000C 2609          DEFAULT=0,-
000C 2610          MAX=1,-
000C 2611          MIN=0,-
000C 2612          NAME=LOADERAPT,-
000C 2613          BIT=SGNSV_LOADRAPAT,-
000C 2614          TYPE=<SPECIAL>,-
000C 2615          UNIT=Boolean
000C 2616          :
000C 2617          :
000C 2618          :
000C 2619          :
000C 2620          :
000C 2621          :
000C 2622          :
000C 2623          :
000C 2624          :
000C 2625          :
000C 2626          :
000C 2627          :
000C 2628          :
000C 2629          :
000C 2630          :
000C 2631          :
000C 2632          :
000C 2633          :
000C 2634          :
000C 2635          :
000C 2636          :
000C 2637          :
000C 2638          :
000C 2639          :
000C 2640          :
000C 2641          :
000C 2642          :
000C 2643          :
000C 2644          :
000C 2645          :
000C 2646          :
000C 2647          :
000C 2648          :
000C 2649          :
000C 2650          :
000C 2651          :
000C 2652          :
000C 2653          :
000C 2654          :
000C 2655          :
000C 2656          :
000C 2657          :
000C 2658          :
000C 2659          :
000C 2660          :
000C 2661          :
000C 2662          :
000C 2663          :
000C 2664          :
000C 2665          :

```

LOADCHKPRT - CONTROLS LOADING OF ALTERNATE PROTECTION CHECK ROUTINE

PARAMETER ADDRESS=SGNSGL\_LOADFLAGS,- ;  
 DEFAULT=0,-  
 MAX=1,-  
 MIN=0,-  
 NAME=LOADCHKPRT,-  
 BIT=SGNSV\_LOADCHKPRT,-  
 TYPE=<SPECIAL>,-  
 UNIT=Boolean

LOADMTACCESS - CONTROLS LOADING OF INSTALLATION SPECIFIC ACCESSIBILITY ROUTINE

PARAMETER ADDRESS=SGNSGL\_LOADFLAGS,- ;  
 DEFAULT=0,-  
 MAX=1,-  
 MIN=0,-  
 NAME=LOADMTACCESS,-  
 BIT=SGNSV\_LOADMTACCESS,-  
 TYPE=<SPECIAL>,-  
 UNIT=Boolean

.PAGE  
 .SBTTL TERMINAL DRIVER SYSTEM PARAMETERS

DIALUP SUPPORT CONTROL PARAMETERS

DELTA TIME FOR DIALUP TIMER SCAN

PARAMETER ADDRESS=TTY\$GL\_DELTA,-  
 DEFAULT=<100000\*100>,-  
 MIN=100000,-  
 NAME=TTY\_SCANDELTA,-  
 SIZE=LONG,-  
 TYPE=<TTY>,-  
 UNIT=100ns

FLAGS FOR DIALUP

BIT 0 is 0 => NORMAL, 1 => UNITED KINGDOM  
 BIT 1 SPECIFIES ALTERNATE MODEM PROTOCOL

PARAMETER ADDRESS=TTY\$GB\_DIALTYP,- ;  
 DEFAULT=0,-  
 MIN=0,-  
 MAX=<XOFF>,-  
 NAME=TTY\_DIALTYPE,-  
 TYPE=<TTY>,-  
 SIZE=BYTE,-  
 UNIT=Bit-Encoded

```

000C 2666 :
000C 2667 : NOTE ALIGNMENT!
000C 2668 :
000C 2669 : TERMINAL CANONICAL CHARACTERISTICS
000C 2670 :
000C 2671 :
000C 2672 :
000C 2673 :
000C 2674 :
000C 2675 :
000C 2676 :
000C 2677 :
000C 2678 :
000C 2679 :
000C 2680 :
000C 2681 :
000C 2682 :
000C 2683 :
000C 2684 :
000C 2685 :
000C 2686 :
000C 2687 :
000C 2688 :
000C 2689 :
000C 2690 :
000C 2691 :
000C 2692 :
000C 2693 :
000C 2694 :
000C 2695 :
000C 2696 :
000C 2697 :
000C 2698 :
000C 2699 :
000C 2700 :
000C 2701 :
000C 2702 :
000C 2703 :
000C 2704 :
000C 2705 :
000C 2706 :
000C 2707 :
000C 2708 :
000C 2709 :
000C 2710 :
000C 2711 :
000C 2712 :
000C 2713 :
000C 2714 :
000C 2715 :
000C 2716 :
000C 2717 :
000C 2718 :
000C 2719 :
000C 2720 :
000C 2721 :
000C 2722 :

```

DEFAULT SPEED FOR TERMINALS  
 PARAMETER ADDRESS=TTY\$GB\_DEFSPEED,-; DEFAULT SPEED FOR TERMINALS AND P  
 DEFAULT=TTSC\_BAUD\_9600,-; 9600 BAUD - NO PARITY  
 MIN=1,-  
 MAX=16,-  
 NAME=TTY\_SPEED,-  
 SIZE=BYTE,-  
 TYPE=<TTY>,-  
 UNIT=Special  
 TTSC\_BAUD VALUES

DEFAULT RECEIVE SPEED  
 PARAMETER ADDRESS=TTY\$GB\_RSPEED,-; THE RECEIVE SPEED FOR A TERMINAL  
 DEFAULT=0,-; USE THE DEFAULT SPEED  
 MIN=0,-  
 MAX=16,-  
 NAME=TTY\_RSPEED,-  
 SIZE=BYTE,-  
 TYPE=<TTY>,-  
 UNIT=Special  
 TTSC\_BAUD VALUES AND 0

DEFAULT PARITY  
 PARAMETER ADDRESS=TTY\$GB\_PARITY,-; THE PARITY OF THE TERMINALS  
 DEFAULT=24,-; NO PARITY EIGHT BITS.  
 MIN=0,-  
 NAME=TTY\_PARITY,-  
 SIZE=BYTE,-  
 TYPE=<TTY>,-  
 UNIT=Special

DEFAULT TERMINAL LINE WIDTH  
 PARAMETER ADDRESS=TTY\$GW\_DEFBUF,-; DEFAULT BUFFER SIZE  
 DEFAULT=80,-  
 MIN=0,-  
 MAX=65535,-  
 NAME=TTY\_BUF,-  
 SIZE=WORD,-  
 TYPE=<TTY>,-  
 UNIT=Characters

DEFAULT TERMINAL CHARACTERISTICS  
 PARAMETER ADDRESS=TTY\$GL\_DEFCHAR,-; DEFAULT CHARACTERISTICS  
 DEFAULT=<<24@TT\$V\_PAGE>+TT\$M\_TTSYNC+TT\$M\_WRAP+TT\$M\_LOWER+TT\$M\_SCOPE>,-  
 MIN=0,-  
 NAME=TTY\_DEFCHAR,-  
 SIZE=LONG,-  
 TYPE=<TTY>,-

```

000C 2723 UNIT=Bit-Encoded
000C 2724 ::
000C 2725 :: Device characteristics second word.
000C 2726 ::
000C 2727 PARAMETER ADDRESS=TTY$GL_DEFCHAR2,-
000C 2728 DEFAULT=TT2$M_EDITING!TT2$M_AUTOBAUD,-; SET AUTOBAUD FOR DEF
000C 2729 MIN=0,-
000C 2730 NAME=TTY_DEFCHAR2,-
000C 2731 SIZE=LONG,-
000C 2732 TYPE=<TTY>,-
000C 2733 UNIT=Bit-Encoded
000C 2734 ::
000C 2735 :: SIZE OF TYPEAHEAD BUFFER
000C 2736 ::
000C 2737 PARAMETER ADDRESS=TTY$GW_TYPAHDSZ,-
000C 2738 DEFAULT=78,-
000C 2739 MIN=0,-
000C 2740 NAME=TTY_TYPAHDSZ,-
000C 2741 SIZE=WORD,-
000C 2742 TYPE=<TTY>,-
000C 2743 UNIT=Bytes
000C 2744 ::
000C 2745 :: Alternate Typeahead size.
000C 2746 ::
000C 2747 PARAMETER ADDRESS=TTY$GW_ALTYPAHD,-
000C 2748 DEFAULT=200,-
000C 2749 MIN=0,-
000C 2750 NAME=TTY_ALTYPAHD,-
000C 2751 SIZE=WORD,-
000C 2752 TYPE=<TTY>,-
000C 2753 UNIT=Bytes
000C 2754 ::
000C 2755 :: Alternate Typeahead buffer alarm size.
000C 2756 ::
000C 2757 PARAMETER ADDRESS=TTY$GW_ALTALARM,-
000C 2758 DEFAULT=64,-
000C 2759 MIN=0,-
000C 2760 NAME=TTY_ALTALARM,-
000C 2761 SIZE=WORD,-
000C 2762 TYPE=<TTY>,-
000C 2763 UNIT=Bytes
000C 2764 ::
000C 2765 :: DMA size
000C 2766 ::
000C 2767 PARAMETER ADDRESS=TTY$GW_DMASIZE,-
000C 2768 DEFAULT=64,-
000C 2769 MIN=0,-
000C 2770 NAME=TTY_DMASIZE,-
000C 2771 SIZE=WORD,-
000C 2772 TYPE=<TTY,DYNAMIC>,-
000C 2773 UNIT=Bytes
000C 2774 ::
000C 2775 :: DEFAULT TERMINAL ALLOCATION PROTECTION
000C 2776 ::
000C 2777 PARAMETER ADDRESS=TTY$GW_PROT,-
000C 2778 ::
000C 2779 : PROTECTION CLASSES

```

```

000C 2780      DEFAULT=<^XOFFFO>,-          : SYSTEM ONLY
000C 2781      MIN=0,-                      :
000C 2782      NAME=TTY PROT,-              :
000C 2783      SIZE=WORD,-                  :
000C 2784      TYPE=<TTY>,-                 :
000C 2785      UNIT=Protection               :
000C 2786
000C 2787      PARAMETER ADDRESS=TTY$GL_OWNUIC,-      : OWNER UIC
000C 2788      DEFAULT=<^X000T0004>,-          : SYSTEM OWNER
000C 2789      MIN=0,-                      :
000C 2790      NAME=TTY OWNER,-              :
000C 2791      SIZE=LONG,-                  :
000C 2792      TYPE=<TTY>-                  :
000C 2793      UNIT=UIC                     :
000C 2794
000C 2795      :
000C 2796      :
000C 2797      :
000C 2798      :
000C 2799      :
000C 2800      :
000C 2801      :
000C 2802      :
000C 2803      :
000C 2804      :
000C 2805      :
000C 2806      :
000C 2807      :
000C 2808      :
000C 2809      :
000C 2810      :
000C 2811      :
000C 2812      :
000C 2813      :
000C 2814      :
000C 2815      :
000C 2816      :
000C 2817      :
000C 2818      :
000C 2819      :
000C 2820      :
000C 2821      :
000C 2822      :
000C 2823      :
000C 2824      :
000C 2825      :
000C 2826      :
000C 2827      :
000C 2828      :
000C 2829      :
000C 2830      :
000C 2831      :
000C 2832      :
000C 2833      :
000C 2834      :
000C 2835      :
000C 2836      :

```

DEFAULT=<^XOFFFO>,- : SYSTEM ONLY

MIN=0,- :

NAME=TTY PROT,- :

SIZE=WORD,- :

TYPE=<TTY>,- :

UNIT=Protection :

PARAMETER ADDRESS=TTY\$GL\_OWNUIC,- : OWNER UIC

DEFAULT=<^X000T0004>,- : SYSTEM OWNER

MIN=0,- :

NAME=TTY OWNER,- :

SIZE=LONG,- :

TYPE=<TTY>- :

UNIT=UIC :

DEFAULT TERMINAL CLASS NAME PREFIX

PARAMETER ADDRESS=TTY\$GW\_CLASSNAM,- :

DEFAULT=<^A/TT7>,- :

MIN=<^A/AAAA/>,- :

MAX=<^A/ZZZZ/>,- :

NAME=TTY CLASSNAME,- :

SIZE=WORD,- :

TYPE=<ASCII,TTY>,- :

UNIT=Ascii :

DEFAULT SILO TIMEOUT VALUE FOR DMF32

PARAMETER ADDRESS=TTY\$GB\_SILOTIME,- :

DEFAULT=8,- :

MIN=0,- :

MAX=255,- :

NAME=TTY\_SILOTIME,- :

SIZE=BYTE,- :

TYPE=<TTY>,- :

UNIT=Ms :

DISCONNECTED VIRTUAL TERMINAL TIMEOUT.

PARAMETER ADDRESS=TTY\$GL\_TIMEOUT,- :

DEFAULT=60\*15,- : 15 minute default

MIN=0,- :

NAME=TTY\_TIMEOUT,- :

SIZE=LONG,- :

TYPE=<TTY,DYNAMIC>,- :

UNIT=Seconds :

AUTOBAUD RATE RECOGNITION CHARACTER

PARAMETER ADDRESS=TTY\$GB\_AUTOCHAR,- :

DEFAULT=7,- : Default is ^G (Bell)

MIN=0,- :

MAX=255,- :

NAME=TTY\_AUTOCHAR,- :

SIZE=BYTE,- :

TYPE=<TTY,DYNAMIC>,- :

UNIT=Character :



```

000C 2837 :
000C 2838 : default port functions.
000C 2839 :
000C 2840 : PARAMETER ADDRESS=TTY$GL_DEFPORT,-; DEFAULT PORT CHARACTERISTICS
000C 2841 : DEFAULT=0,-
000C 2842 : MIN=0,-
000C 2843 : NAME=TTY_DEFPORT-
000C 2844 : SIZE=LONG,-
000C 2845 : TYPE=<TTY,SPECIAL>,-
000C 2846 : UNIT=Bit-Encoded
000C 2847 :
000C 2848 : END OF TERMINAL SYSTEM PARAMETERS
000C 2849 :
000C 2850 :
000C 2851 : .PAGE
000C 2852 : .SBTTL RMS DEFAULT PARAMETERS
000C 2853 :
000C 2854 : RMS DEFAULT PARAMETERS
000C 2855 :
000C 2856 : PARAMETER ADDRESS=SYSS$GB_DFMBBC,-
000C 2857 : DEFAULT=16,- ; DEFAULT MULTI-BLOCK COUNT
000C 2858 : MIN=1,-
000C 2859 : MAX=127,-
000C 2860 : NAME=RMS_DFMBBC,-
000C 2861 : SIZE=BYTE,-
000C 2862 : TYPE=<RMS,DYNAMIC>,-
000C 2863 : UNIT=Blocks
000C 2864 :
000C 2865 : DEFAULT MULTI-BUFFER COUNT FOR SEQUENTIAL . DISK
000C 2866 :
000C 2867 : PARAMETER ADDRESS=SYSS$GB_DFMBFSBK,-
000C 2868 : DEFAULT=0,-
000C 2869 : MIN=0,-
000C 2870 : MAX=127,-
000C 2871 : NAME=RMS_DFMBFSBK,-
000C 2872 : SIZE=BYTE,-
000C 2873 : TYPE=<RMS,DYNAMIC>,-
000C 2874 : UNIT=Blocks
000C 2875 :
000C 2876 : DEFAULT MULTI_BUFFER COUNT FOR MAGTAPE
000C 2877 :
000C 2878 : PARAMETER ADDRESS=SYSS$GB_DFMBFSMT,-
000C 2879 : DEFAULT=0,-
000C 2880 : MIN=0,-
000C 2881 : MAX=127,-
000C 2882 : NAME=RMS_DFMBFSMT,-
000C 2883 : SIZE=BYTE,-
000C 2884 : TYPE=<RMS,DYNAMIC>,-
000C 2885 : UNIT=Blocks
000C 2886 :
000C 2887 : DEFAULT MULTI-BUFFER COUNT FOR UNIT RECORD DEVICES.
000C 2888 :
000C 2889 : PARAMETER ADDRESS=SYSS$GB_DFMBFSUR,-
000C 2890 : DEFAULT=0,-
000C 2891 : MIN=0,-
000C 2892 : MAX=127,-
000C 2893 : NAME=RMS_DFMBFSUR,-

```

```

000C 2894      SIZE=BYTE,-
000C 2895      TYPE=<RMS,DYNAMIC>,-
000C 2896      UNIT=Buffers
000C 2897      :
000C 2898      : DEFAULT MULTI-BUFFER COUNT FOR RELATIVE FILES
000C 2899      :
000C 2900      : PARAMETER      ADDRESS=SYSS$GB_DFMBFREL,-
000C 2901      :      DEFAULT=0,-
000C 2902      :      MIN=0,-
000C 2903      :      MAX=127,-
000C 2904      :      NAME=RMS_DFMBFREL,-
000C 2905      :      SIZE=BYTE,-
000C 2906      :      TYPE=<RMS,DYNAMIC>,-
000C 2907      :      UNIT=Buffers
000C 2908      :
000C 2909      : DEFAULT MULTI-BUFFER COUNT INDEXED FILES
000C 2910      :
000C 2911      : PARAMETER      ADDRESS=SYSS$GB_DFMBFIDX,-
000C 2912      :      DEFAULT=0,-
000C 2913      :      MIN=0,-
000C 2914      :      MAX=127,-
000C 2915      :      NAME=RMS_DFMBFIDX,-
000C 2916      :      SIZE=BYTE,-
000C 2917      :      TYPE=<RMS,DYNAMIC>,-
000C 2918      :      UNIT=Buffers
000C 2919      :
000C 2920      : DEFAULT MULTI-BUFFER COUNT HASHED
000C 2921      :
000C 2922      : PARAMETER      ADDRESS=SYSS$GB_DFMBFHS,-
000C 2923      :      DEFAULT=0,-
000C 2924      :      MIN=0,-
000C 2925      :      MAX=127,-
000C 2926      :      NAME=RMS_DFMBFHS,-
000C 2927      :      SIZE=BYTE,-
000C 2928      :      TYPE=<RMS,DYNAMIC>,-
000C 2929      :      UNIT=Buffers
000C 2930      :
000C 2931      : Default rms Prologue
000C 2932      :
000C 2933      : PARAMETER      ADDRESS = SYSS$GB_RMSPROLOG,-
000C 2934      :      DEFAULT = 0,-
000C 2935      :      MIN = 0,-
000C 2936      :      MAX = 3,-
000C 2937      :      NAME = RMS PROLOGUE,-
000C 2938      :      SIZE = BYTE,-
000C 2939      :      TYPE = <RMS,DYNAMIC>,-
000C 2940      :      UNIT = Prolog-Lvl
000C 2941      :
000C 2942      :
000C 2943      : Default file extend quantity
000C 2944      :
000C 2945      :
000C 2946      : PARAMETER      ADDRESS = SYSS$GW_RMSEXTEND,-
000C 2947      :      DEFAULT = 0,-
000C 2948      :      MIN = 0,-
000C 2949      :      MAX = 65535,-
000C 2950

```

```

000C 2951 NAME = RMS_EXTEND_SIZE,-
000C 2952 SIZE = WORD,-
000C 2953 TYPE = <RMS,DYNAMIC>,-
000C 2954 UNIT = Blocks
000C 2955
000C 2956 :: Default file protection
000C 2957 ::
000C 2958
000C 2959 PARAMETER ADDRESS = SYS$GW_FILEPROT,-
000C 2960 DEFAULT = <^XFA00>,-
000C 2961 MIN = 0,-
000C 2962 MAX = <^XFFFF>,-
000C 2963 NAME = RMS_FILEPROT,-
000C 2964 SIZE = WORD,-
000C 2965 TYPE = RMS,-
000C 2966 UNIT = Prot-mask
000C 2967
000C 2968 ::
000C 2969 :: Global buffer quota - This parameter determines the maximum number
000C 2970 :: of global buffers that may be in use in the system at any one time.
000C 2971 ::
000C 2972 PARAMETER ADDRESS=SYS$GW_GBLBUFQUO,-
000C 2973 DEFAULT=1024,-
000C 2974 MIN=0,-
000C 2975 MAX=32767,-
000C 2976 SIZE=WORD,-
000C 2977 NAME=RMS_GBLBUFQUO,-
000C 2978 TYPE=<RMS,DYNAMIC>,-
000C 2979 UNIT=<Gbl bufs>
000C 2980
000C 2981 ::
000C 2982 :: Network block count - This parameter determines the number
000C 2983 :: of blocks to use for RMS DAP network record-mode transfers.
000C 2984 :: This parameter determines the maximum record size that can be
000C 2985 :: sent over the network.
000C 2986 ::
000C 2987 PARAMETER ADDRESS=SYS$GB_DFNBC,-
000C 2988 DEFAULT=8,-
000C 2989 MIN=1,-
000C 2990 MAX=127,-
000C 2991 SIZE=BYTE,-
000C 2992 NAME=RMS_DFNBC,-
000C 2993 TYPE=<RMS,DYNAMIC>,-
000C 2994 UNIT=<Blocks>
000C 2995
000C 2996 .IF NOT_DEFINED GETSYISW
000C 2997
000C 2998 .ALIGN LONG
000C 2999
000C 3000 :: END OF RMS DEFAULT PARAMETERS
000C 3001 ::
000C 3002
000C 3003 .PAGE
000C 3004 .SBTTL PROCESS QUOTA DEFAULTS AND MINIMA
000C 3005 =-4
000C 3006 DEFINE PQL$AL_DEFAULT
000C 3007 =+4
000C 3008 .BLKL PQL$_LENGTH

```

```

000C 3008      .=-4
000C 3009      DEFINE PQL$AL_MIN      :
000C 3010      .=-+4
000C 3011      .BLKL PQL$_LENGTH      :
000C 3012      .=-1
000C 3013      DEFINE PQL$AB_FLAG      :
000C 3014      .=-+1
000C 3015      .BLKB PQL$_LENGTH      :
000C 3016
000C 3017      .ENDC ; NOT_DEFINED GETSYISW
000C 3018
000C 3019      :
000C 3020      :
000C 3021      :
000C 3022      :
000C 3023      :
000C 3024      :
000C 3025      :
000C 3026      :
000C 3027      :
000C 3028      :
000C 3029      :
000C 3030      :
000C 3031      :
000C 3032      :
000C 3033      :
000C 3034      :
000C 3035      :
000C 3036      :
000C 3037      :
000C 3038      :
000C 3039      :
000C 3040      :
000C 3041      :
000C 3042      :
000C 3043      :
000C 3044      :
000C 3045      :
000C 3046      :
000C 3047      :
000C 3048      :
000C 3049      :
000C 3050      :
000C 3051      :
000C 3052      :
000C 3053      :
000C 3054      :
000C 3055      :
000C 3056      :
000C 3057      :
000C 3058      :
000C 3059      :
000C 3060      :
000C 3061      :
000C 3062      :
000C 3063      :
000C 3064      :

```

PQL ASTLM,- : AST LIMIT  
 DEFLT=24,-  
 MINIM=4,-  
 UNT=AST  
 PQL BIOLM,- : BUFFERED I/O LIMIT  
 DEFLT=18,-  
 MINIM=4,-  
 UNT=I/O  
 PQL BYTLM,- : BUFFERED I/O BYTE COUNT LIMIT  
 DEFLT=8192,-  
 FLAG=DEDUCTIBLE,-  
 MINIM=1024,-  
 UNT=Bytes  
 PQL CPULM,- : CPU TIME LIMIT  
 DEFLT=0,-  
 FLAG=DEDUCTIBLE,-  
 MINIM=0,-  
 UNT=10Ms  
 PQL DIOLM,- : DIRECT I/O LIMIT  
 DEFLT=18,-  
 MINIM=4,-  
 UNT=I/O  
 PQL FILLM,- : OPEN FILE LIMIT  
 DEFLT=16,-  
 FLAG=DEDUCTIBLE,-  
 MINIM=2,-  
 UNT=Files  
 PQL PGFLQUOTA,- : PAGING FILE QUOTA  
 DEFLT=2048,-  
 FLAG=DEDUCTIBLE,-  
 MINIM=512,-  
 UNT=Pages  
 PQL PRCLM,- : SUB-PROCESS LIMIT  
 DEFLT=8,-  
 FLAG=DEDUCTIBLE,-



```

000C 3065          MINIM=0,-          ;
000C 3066          UNT=Processes      ;
000C 3067
000C 3068          PQL  TQELM,-          ; TIMER QUEUE ENTRY LIMIT
000C 3069          DEFLT=8,-          ;
000C 3070          FLAG=DEDUCTIBLE,-  ;
000C 3071          MINIM=0,-          ;
000C 3072          UNT=Timers         ;
000C 3073
000C 3074          PQL  WSDEFAULT,-      ; WORKING SET DEFAULT SIZE
000C 3075          DEFLT=100,-        ;
000C 3076          MINIM=60,-        ;
000C 3077          UNT=Pages,-        ;
000C 3078          DYNAMIC_FLAG=STATIC ;
000C 3079
000C 3080          ;
000C 3081          ; DEFAULT WORKING SET SIZE - SIZE OF SHELL WORKING SET
000C 3082          ;
000C 3083          .IF  NOT_DEFINED GETSYISW
000C 3084          .IF  NDF-PRMSW
000C 3085          SGN$GW_DFWSCNT==PQL$GDWSDEFAULT      ; SYNONYM
000C 3086          .ENDC
000C 3087          .ENDC          ; NOT_DEFINED GETSYISW
000C 3088          PQL  WSQUOTA,-          ; WORKING SET QUOTA
000C 3089          DEFLT=200,-          ;
000C 3090          MINIM=60,-          ;
000C 3091          UNT=Pages             ;
000C 3092
000C 3093          PQL  WSEXTENT,-          ; WORKING SET EXTENT
000C 3094          DEFLT=200,-          ;
000C 3095          MINIM=10,-          ;
000C 3096          UNT=Pages             ;
000C 3097
000C 3098          PQL  ENQLM,-          ; ENQUEUE LIMIT
000C 3099          DEFLT=30,-          ;
000C 3100          FLAG=DEDUCTIBLE,-  ;
000C 3101          MINIM=4,-          ;
000C 3102          UNT=Locks          ;
000C 3103
000C 3104          PQL  JTQUOTA,-          ; JOB-WIDE LOGICAL NAME TABLE QUOTA
000C 3105          DEFLT=1024,-        ;
000C 3106          MINIM=0,-          ;
000C 3107          UNT=Bytes             ;
000C 3108
000C 3109          .PAGE
000C 3110          .SBTTL  FILE ACP CONFIGURATION DATA
000C 3111
000C 3112          ;
000C 3113          ;
000C 3114          ; File ACP configuration data. These parameters are used whenever an ACP is
000C 3115          ; started up (or, in the case of per volume data, when a volume is mounted).
000C 3116          ;
000C 3117          ;
000C 3118          ;
000C 3119          ;
000C 3120          ; Number of blocks in bitmap cache.
000C 3121          ;

```

```

000C 3122      PARAMETER      ADDRESS=ACPSGW_MAPCACHE,-      ;
000C 3123      DEFAULT=8,-      ;
000C 3124      MIN=1,-      ;
000C 3125      NAME=ACP_MAPCACHE,-      ;
000C 3126      SIZE=WORD,-      ;
000C 3127      TYPE=<ACP,DYNAMIC>,-      ;
000C 3128      UNIT=Pages      ;
000C 3129      :
000C 3130      : Number of blocks in file header cache.
000C 3131      :
000C 3132      PARAMETER      ADDRESS=ACPSGW_HDRCACHE,-      ;
000C 3133      DEFAULT=128,-      ;
000C 3134      MIN=3,-      ;
000C 3135      NAME=ACP_HDRCACHE,-      ;
000C 3136      SIZE=WORD,-      ;
000C 3137      TYPE=<ACP,DYNAMIC>,-      ;
000C 3138      UNIT=Pages      ;
000C 3139      :
000C 3140      : Number of blocks in file system directory data block cache.
000C 3141      :
000C 3142      PARAMETER      ADDRESS=ACPSGW_DIRCACHE,-      ;
000C 3143      DEFAULT=80,-      ;
000C 3144      MIN=2,-      ;
000C 3145      NAME=ACP_DIRCACHE,-      ;
000C 3146      SIZE=WORD,-      ;
000C 3147      TYPE=<ACP,DYNAMIC>,-      ;
000C 3148      UNIT=Pages      ;
000C 3149      :
000C 3150      : Number of pages in file system directory index cache.
000C 3151      :
000C 3152      PARAMETER      ADDRESS=ACPSGW_DINDXCACHE,-      ;
000C 3153      DEFAULT=25,-      ;
000C 3154      MIN=2,-      ;
000C 3155      NAME=ACP_DINDXCACHE,-      ;
000C 3156      SIZE=WORD,-      ;
000C 3157      TYPE=<ACP,DYNAMIC>,-      ;
000C 3158      UNIT=Pages      ;
000C 3159      :
000C 3160      : ACP working set in pages (0 means maximal)
000C 3161      :
000C 3162      PARAMETER      ADDRESS=ACPSGW_WORKSET,-      ;
000C 3163      DEFAULT=0,-      ;
000C 3164      MIN=0,-      ;
000C 3165      NAME=ACP_WORKSET,-      ;
000C 3166      SIZE=WORD,-      ;
000C 3167      TYPE=<ACP,DYNAMIC>,-      ;
000C 3168      UNIT=Pages      ;
000C 3169      :
000C 3170      : The following parameters are applied on a per volume basis.
000C 3171      :
000C 3172      :
000C 3173      : Number of cached index file slots
000C 3174      :
000C 3175      PARAMETER      ADDRESS=ACPSGW_FIDCACHE,-      ;
000C 3176      DEFAULT=64,-      ;
000C 3177      MIN=0,-      ;
000C 3178      NAME=ACP_FIDCACHE,-      ;

```

```

000C 3179      SIZE=WORD,-
000C 3180      TYPE=<ACP,DYNAMIC>,-
000C 3181      UNIT=File-Ids
000C 3182      :
000C 3183      : Number of cached disk extents
000C 3184      :
000C 3185      :     PARAMETER      ADDRESS=ACPSGW_EXTCACHE,-
000C 3186      :     DEFAULT=64,-
000C 3187      :     MIN=0,-
000C 3188      :     NAME=ACP_EXTCACHE,-
000C 3189      :     SIZE=WORD,-
000C 3190      :     TYPE=<ACP,DYNAMIC>,-
000C 3191      :     UNIT=Extents
000C 3192      :
000C 3193      : Maximum fraction of disk to cache in tenths of percent
000C 3194      :
000C 3195      :     PARAMETER      ADDRESS=ACPSGW_EXTLIMIT,-
000C 3196      :     DEFAULT=100,-
000C 3197      :     MIN=0,-
000C 3198      :     MAX=1000,-
000C 3199      :     NAME=ACP_EXTLIMIT,-
000C 3200      :     SIZE=WORD,-
000C 3201      :     TYPE=<ACP,DYNAMIC>,-
000C 3202      :     UNIT=<Percent/10>
000C 3203      :
000C 3204      :
000C 3205      : Number of quota file entries to cache
000C 3206      :
000C 3207      :     PARAMETER      ADDRESS=ACPSGW_QUOCACHE,-
000C 3208      :     DEFAULT=64,-
000C 3209      :     MIN=0,-
000C 3210      :     MAX=-1,-
000C 3211      :     NAME=ACP_QUOCACHE,-
000C 3212      :     SIZE=WORD,-
000C 3213      :     TYPE=<ACP,DYNAMIC>,-
000C 3214      :     UNIT=Users
000C 3215      :
000C 3216      : Default access for system volumes
000C 3217      :
000C 3218      :     PARAMETER      ADDRESS=ACPSGW_SYSACC,-
000C 3219      :     DEFAULT=8,-
000C 3220      :     MIN=0,-
000C 3221      :     NAME=ACP_SYSACC,-
000C 3222      :     SIZE=WORD,-
000C 3223      :     TYPE=<ACP,DYNAMIC>,-
000C 3224      :     UNIT=Directories
000C 3225      :
000C 3226      : Maximum number of blocks to read at once for directories.
000C 3227      :
000C 3228      :     PARAMETER      ADDRESS=ACPSGB_MAXREAD,-
000C 3229      :     DEFAULT=32,-
000C 3230      :     MIN=1,-
000C 3231      :     MAX=64,-
000C 3232      :     NAME=ACP_MAXREAD,-
000C 3233      :     SIZE=BYTE,-
000C 3234      :     TYPE=<ACP,DYNAMIC>,-
000C 3235      :     UNIT=Blocks

```

```

000C 3236 :
000C 3237 : Default window size for system volumes.
000C 3238 :
000C 3239 :     PARAMETER     ADDRESS=ACP$GB_WINDOW,- ;
000C 3240 :                 DEFAULT=7,- ;
000C 3241 :                 MIN=1,- ;
000C 3242 :                 NAME=ACP_WINDOW,- ;
000C 3243 :                 SIZE=BYTE,- ;
000C 3244 :                 TYPE=<ACP,DYNAMIC>,- ;
000C 3245 :                 UNIT=Pointers ;
000C 3246 :
000C 3247 : Deferred cache writeback enable.
000C 3248 :
000C 3249 :     PARAMETER     ADDRESS=ACP$GB_WRITBACK,-
000C 3250 :                 DEFAULT=1,-
000C 3251 :                 MIN=0,-
000C 3252 :                 MAX=1,-
000C 3253 :                 NAME=ACP_WRITEBACK,-
000C 3254 :                 SIZE=BYTE,-
000C 3255 :                 TYPE=<ACP,DYNAMIC>,-
000C 3256 :                 UNIT=Boolean
000C 3257 :
000C 3258 : ACP datacheck enable flags.
000C 3259 :
000C 3260 :     PARAMETER     ADDRESS=ACP$GB_DATACHK,-
000C 3261 :                 DEFAULT=2,-
000C 3262 :                 MIN=0,-
000C 3263 :                 MAX=3,-
000C 3264 :                 NAME=ACP_DATACHECK,-
000C 3265 :                 SIZE=BYTE,-
000C 3266 :                 TYPE=<ACP,DYNAMIC>,-
000C 3267 :                 UNIT=Bit-mask
000C 3268 :
000C 3269 : Containing the following flags:
000C 3270 :
000C 3271 :     .IF     NDF,PRMSW                ; Only for exec version of sysparam
000C 3272 :     $GBLINI GLOBAL
000C 3273 :     $VIELD  ACP,0,<-
000C 3274 :             <READCHK>-                ; do datachecks on reads
000C 3275 :             <WRITECHK>-               ; do datachecks on writes
000C 3276 :             >
000C 3277 :     .ENDC                             ;
000C 3278 :
000C 3279 : The following parameters apply per ACP.
000C 3280 :
000C 3281 : ACP base priority
000C 3282 :
000C 3283 :     PARAMETER     ADDRESS=ACP$GB_BASEPRIO,- ;
000C 3284 :                 DEFAULT=8,- ;
000C 3285 :                 MIN=4,- ;
000C 3286 :                 MAX=31,- ;
000C 3287 :                 NAME=ACP_BASEPRIO,- ;
000C 3288 :                 SIZE=BYTE,- ;
000C 3289 :                 TYPE=<ACP,DYNAMIC>,- ;
000C 3290 :                 UNIT=Priority
000C 3291 :
000C 3292 :

```



```

000C 3293 : ACP Swap flags
000C 3294 :
000C 3295 :     PARAMETER     ADDRESS=ACP$GB_SWAPFLGS,-      ;
000C 3296 :                     DEFAULT=<^B1111>,-      ;
000C 3297 :                     MIN=0,-      ;
000C 3298 :                     MAX=15,-      ;
000C 3299 :                     NAME=ACP_SWAPFLGS,-      ;
000C 3300 :                     SIZE=BYTE,-      ;
000C 3301 :                     TYPE=<ACP,DYNAMIC>-      ;
000C 3302 :                     UNIT=Bit-mask
000C 3303 :
000C 3304 :     .IF     NDF,PRMSW      : swappable, as follows:
000C 3305 :     $GBLINI GLOBAL      : Only for exec version of sysparam
000C 3306 :     $VIELD  ACP,0,<-
000C 3307 :             <SWAPSYS>-      : /SYSTEM
000C 3308 :             <SWAPGRP>-      : /GROUP
000C 3309 :             <SWAPPRV>-      : other (private mount)
000C 3310 :             <SWAPMAG>-      : magtape
000C 3311 :             >
000C 3312 :     .ENDC
000C 3313 :
000C 3314 : XQP memory resident control flag
000C 3315 :
000C 3316 :     PARAMETER     ADDRESS=EXE$GL_STATIC_FLAGS,-
000C 3317 :                     DEFAULT=1,-
000C 3318 :                     MIN=0,-
000C 3319 :                     MAX=1,-
000C 3320 :                     NAME=ACP_XQP_RES,-
000C 3321 :                     BIT=EXE$V_XQP_RESIDENT,-
000C 3322 :                     TYPE=<ACP,STATIC>,-
000C 3323 :                     UNIT=Boolean
000C 3324 :
000C 3325 : System disk rebuild flag.
000C 3326 :
000C 3327 :     PARAMETER     ADDRESS=EXE$GL_STATIC_FLAGS,-
000C 3328 :                     DEFAULT=1,-
000C 3329 :                     MIN=0,-
000C 3330 :                     MAX=1,-
000C 3331 :                     NAME=ACP_REBLDSYSD,-
000C 3332 :                     BIT=EXE$V_REBLDSYSD,-
000C 3333 :                     TYPE=<ACP,STATIC>,-
000C 3334 :                     UNIT=Boolean
000C 3335 :
000C 3336 :     .IIF     NOT_DEFINED GETSYISW, .ALIGN LONG
000C 3337 :
000C 3338 :     .PAGE
000C 3339 :     .SBTTL  Job Controller Parameters
000C 3340 :
000C 3341 : Default Priority for Job Initiations
000C 3342 :
000C 3343 :     PARAMETER     SYS$GB_DEFPRI,-
000C 3344 :                     DEFAULT=4,-
000C 3345 :                     MIN=1,-
000C 3346 :                     MAX=31,-
000C 3347 :                     NAME=DEFPRI,-
000C 3348 :                     SIZE=BYTE,-
000C 3349 :                     TYPE=<SYS,JBC,DYNAMIC>,-

```

```

000C 3350 UNIT=Priority
000C 3351 :
000C 3352 : Limit for interactive Jobs
000C 3353 :
000C 3354 : PARAMETER ADDRESS=SYSS$GW_IJOBLIM,- ;
000C 3355 : DEFAULT=64,- ;
000C 3356 : MIN=1,- ;
000C 3357 : MAX=1024,- ;
000C 3358 : NAME=IJOBLIM,- ;
000C 3359 : SIZE=WORD,- ;
000C 3360 : TYPE=<JBC,DYNAMIC>,- ;
000C 3361 : UNIT=Jobs
000C 3362 :
000C 3363 : Limit for batch Jobs
000C 3364 :
000C 3365 : PARAMETER ADDRESS=SYSS$GW_BJOBLIM,- ;
000C 3366 : DEFAULT=16,- ;
000C 3367 : MIN=0,- ;
000C 3368 : MAX=1024,- ;
000C 3369 : NAME=BJOBLIM,- ;
000C 3370 : SIZE=WORD,- ;
000C 3371 : TYPE=<JBC,DYNAMIC>,- ;
000C 3372 : UNIT=Jobs
000C 3373 :
000C 3374 : Limit for network Jobs
000C 3375 :
000C 3376 : PARAMETER ADDRESS=SYSS$GW_NJOBLIM,- ;
000C 3377 : DEFAULT=16,- ;
000C 3378 : MIN=0,- ;
000C 3379 : MAX=1024,- ;
000C 3380 : NAME=NJOBLIM,- ;
000C 3381 : SIZE=WORD,- ;
000C 3382 : TYPE=<JBC,DYNAMIC>,- ;
000C 3383 : UNIT=Jobs
000C 3384 :
000C 3385 : Limit for Remote Terminal Jobs
000C 3386 :
000C 3387 : PARAMETER ADDRESS=SYSS$GW_RJOBLIM,- ;
000C 3388 : DEFAULT=16,- ;
000C 3389 : MIN=0,- ;
000C 3390 : MAX=254,- ;
000C 3391 : NAME=RJOBLIM,- ;
000C 3392 : SIZE=WORD,- ;
000C 3393 : TYPE=<JBC,DYNAMIC>,- ;
000C 3394 : UNIT=Jobs
000C 3395 :
000C 3396 :
000C 3397 : DEFQUEPRI - Default Queue Priority
000C 3398 :
000C 3399 : PARAMETER ADDRESS=SYSS$GB_DEFQUEPRI,- ;
000C 3400 : DEFAULT=4,- ;
000C 3401 : MAX=255,- ;
000C 3402 : MIN=0,- ;
000C 3403 : NAME=DEFQUEPRI,- ;
000C 3404 : TYPE=<JBC,DYNAMIC>,- ;
000C 3405 : UNIT=Priority
000C 3406 :

```

```

000C 3407 : MAXQUEPRI - Maximum Queue Priority
000C 3408 :
000C 3409 : PARAMETER ADDRESS=SYSS$GB_MAXQUEPRI,-
000C 3410 : DEFAULT=4,-
000C 3411 : MAX=255,-
000C 3412 : MIN=0,-
000C 3413 : NAME=MAXQUEPRI,-
000C 3414 : TYPE=<JBC,DYNAMIC>,-
000C 3415 : UNIT=Priority
000C 3416 :
000C 3417 : .PAGE
000C 3418 : .SBTTL Login Security Parameters
000C 3419 :
000C 3420 : Number of seconds that a dialup user has in which to enter the system
000C 3421 : password before LOGINOUT goes away
000C 3422 :
000C 3423 : PARAMETER ADDRESS=SYSS$GB_PWD_TMO,-
000C 3424 : DEFAULT=30,-
000C 3425 : MIN=0,-
000C 3426 : MAX=255,-
000C 3427 : NAME=LGI_PWD_TMO,-
000C 3428 : SIZE=BYTE,-
000C 3429 : TYPE=<DYNAMIC,LGI>,-
000C 3430 : UNIT=Seconds
000C 3431 :
000C 3432 :
000C 3433 : Number of retries an interactive user has before the process goes away
000C 3434 :
000C 3435 : PARAMETER ADDRESS=SYSS$GB_RETRY_LIM,-
000C 3436 : DEFAULT=3,-
000C 3437 : MIN=0,-
000C 3438 : MAX=255,-
000C 3439 : NAME=LGI_RETRY_LIM,-
000C 3440 : SIZE=BYTE,-
000C 3441 : TYPE=<DYNAMIC,LGI>,-
000C 3442 : UNIT=Tries
000C 3443 :
000C 3444 :
000C 3445 : Number of seconds that a user has in which to attempt another login
000C 3446 : before the process goes away
000C 3447 :
000C 3448 : PARAMETER ADDRESS=SYSS$GB_RETRY_TMO,-
000C 3449 : DEFAULT=20,-
000C 3450 : MIN=0,-
000C 3451 : MAX=255,-
000C 3452 : NAME=LGI_RETRY_TMO,-
000C 3453 : SIZE=BYTE,-
000C 3454 : TYPE=<DYNAMIC,LGI>,-
000C 3455 : UNIT=Seconds
000C 3456 :
000C 3457 :
000C 3458 : Number of consecutive login failures before LOGINOUT begins evasive action
000C 3459 :
000C 3460 : PARAMETER ADDRESS=SYSS$GB_BRK_LIM,-
000C 3461 : DEFAULT=5,-
000C 3462 : MIN=0,-
000C 3463 : MAX=255,-

```

```

000C 3464 NAME=LGI_BRK_LIM,-
000C 3465 SIZE=BYTE,-
000C 3466 TYPE=<DYNAMIC,LGI>,-
000C 3467 UNIT=Failures
000C 3468
000C 3469
000C 3470 : Number of seconds that a suspect must be free of login failures before it is
000C 3471 : taken off the suspect list
000C 3472 :
000C 3473 PARAMETER ADDRESS=SYSS$GL_BRK_TMO,-
000C 3474 DEFAULT=300,-
000C 3475 MIN=0,-
000C 3476 MAX=-1,-
000C 3477 NAME=LGI_BRK_TMO,-
000C 3478 SIZE=LONG,-
000C 3479 TYPE=<DYNAMIC,LGI>,-
000C 3480 UNIT=Seconds
000C 3481
000C 3482 :
000C 3483 : Number of seconds that LOGINOUT should practice evasive action on an intruder
000C 3484 :
000C 3485 PARAMETER ADDRESS=SYSS$GL_HID_TIM,-
000C 3486 DEFAULT=300,-
000C 3487 MIN=0,-
000C 3488 MAX=-1,-
000C 3489 NAME=LGI_HID_TIM,-
000C 3490 SIZE=LONG,-
000C 3491 TYPE=<DYNAMIC,LGI>,-
000C 3492 UNIT=Seconds
000C 3493
000C 3494 .PAGE
000C 3495 .SBTTL Cluster Parameters
000C 3496
000C 3497 :
000C 3498 VAXCLUSTER - Controls loading of cluster code
000C 3499 0: Never load
000C 3500 1: Load if SCSLOA is being loaded
000C 3501 2: Always load (and also load SCSLOA)
000C 3502 :
000C 3503 PARAMETER ADDRESS=CLU$GB_VAXCLUSTER, - ;
000C 3504 DEFAULT=1,- ;
000C 3505 MAX=2,- ;
000C 3506 MIN=0,- ;
000C 3507 NAME=VAXCLUSTER,- ;
000C 3508 SIZE=BYTE,- ;
000C 3509 TYPE=<CLUSTER>,- ;
000C 3510 UNIT=Coded-value
000C 3511
000C 3512 :
000C 3513 : Quorum for an operable cluster
000C 3514 :
000C 3515 PARAMETER ADDRESS=CLU$GW_QUORUM,-
000C 3516 DEFAULT=1,-
000C 3517 MIN=1,-
000C 3518 MAX=32767,-
000C 3519 NAME=QUORUM,-
000C 3520 SIZE=WORD,-

```



```

000C 3521                                     TYPE=<CLUSTER>,-
000C 3522                                     UNIT=Votes
000C 3523
000C 3524 ::
000C 3525 :: Number of votes this system contributes to quorum
000C 3526 ::
000C 3527     PARAMETER      ADDRESS=CLUSGW_VOTES,-
000C 3528     DEFAULT=1,-
000C 3529     MIN=0,-
000C 3530     MAX=127,-
000C 3531     NAME=VOTES,-
000C 3532     SIZE=WORD,-
000C 3533     TYPE=<CLUSTER>,-
000C 3534     UNIT=Votes
000C 3535
000C 3536 ::
000C 3537 :: Interval during which to attempt reconnection to a remote system
000C 3538 ::
000C 3539     PARAMETER      ADDRESS=CLUSGW_RECINT,-
000C 3540     DEFAULT=60,-
000C 3541     MIN=1,-
000C 3542     MAX=32767,-
000C 3543     NAME=RECINT,-
000C 3544     SIZE=WORD,-
000C 3545     TYPE=<CLUSTER,DYNAMIC>,-
000C 3546     UNIT=Seconds
000C 3547
000C 3548 ::
000C 3549 :: The cluster quorum disk name
000C 3550 ::
000C 3551     PARAMETER      ADDRESS=CLUSGB_QDISK,-
000C 3552     DEFAULT=<^A/ />,-
000C 3553     MIN=<^A/ />,-
000C 3554     MAX=<^A/ZZZZ/>,-
000C 3555     NAME=DISK_QUORUM,-
000C 3556     SIZE=OCTA,-
000C 3557     TYPE=<ASCII,CLUSTER>,-
000C 3558     UNIT=Ascii
000C 3559
000C 3560 ::
000C 3561 :: Number of votes contributed by quorum disk
000C 3562 ::
000C 3563     PARAMETER      ADDRESS=CLUSGW_QDSKVOTES,-
000C 3564     DEFAULT=1,-
000C 3565     MIN=0,-
000C 3566     MAX=127,-
000C 3567     NAME=QDSKVOTES,-
000C 3568     SIZE=WORD,-
000C 3569     TYPE=<CLUSTER>,-
000C 3570     UNIT=Votes
000C 3571
000C 3572 ::
000C 3573 :: Disk Quorum Interval
000C 3574 ::
000C 3575     PARAMETER      ADDRESS=CLUSGW_QDSKINTERVAL,-
000C 3576     DEFAULT=20,-
000C 3577     MIN=1,-

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000C 3578 MAX=32767,-
000C 3579 NAME=QDSKINTERVAL,-
000C 3580 SIZE=WORD,-
000C 3581 TYPE=<CLUSTER>,-
000C 3582 UNIT=Seconds
000C 3583
000C 3584 :
000C 3585 : Define a parameter which determines the device allocation class for
000C 3586 : this system. The device allocation class is used to derive a common
000C 3587 : lock resource name for multiple access paths to the same device.
000C 3588 :
000C 3589 : PARAMETER ADDRESS=CLUSGL_ALLOCLS,-
000C 3590 : NAME=ALLOCLASS,-
000C 3591 : TYPE=<CLUSTER>,-
000C 3592 : DEFAULT=0,-
000C 3593 : MIN=0,-
000C 3594 : MAX=255,-
000C 3595 : UNIT=Pure-number
000C 3596
000C 3597 :
000C 3598 : Lock manager directory system weight. Determines portion of lock
000C 3599 : manger directory entires which will be handled by this system.
000C 3600 :
000C 3601 : PARAMETER ADDRESS=CLUSGW_LCKDIRWT,-
000C 3602 : DEFAULT=1,-
000C 3603 : MIN=0,-
000C 3604 : MAX=255,-
000C 3605 : NAME=LOCKDIRWT,-
000C 3606 : SIZE=WORD,-
000C 3607 : TYPE=<CLUSTER>,-
000C 3608 : UNIT=Pure-number
000C 3609
000C 3610 :
000C 3611 : Define a parameter which tells us whether or not this system is tailored
000C 3612 : (i.e., has a library disk). This is the right way to determine tailoring
000C 3613 : now that many different system disks can be tailored.
000C 3614 :
000C 3615 : PARAMETER ADDRESS=SGN$GB_TAILORED,-
000C 3616 : DEFAULT=0,-
000C 3617 : MAX=1,-
000C 3618 : MIN=0,-
000C 3619 : NAME=TAILORED,-
000C 3620 : SIZE=BYTE,-
000C 3621 : TYPE=<SYS>,-
000C 3622 : UNIT=Boolean
000C 3623
000C 3624 : .IF NOT_DEFINED GETSYISW
000C 3625 :
000C 3626 : WORK STATION FLAGS.
000C 3627 :
000C 3628 : .ALIGN LONG
000C 3629 : .IF NDF,PRMSW
000C 3630 EXESGL_WSFLAGS:: : Work station SYSGEN flags
000C 3631 : .ENDC : NDF,PRMSW
000C 3632 : .LONG 0;
000C 3633 : .ENDC : NOT_DEFINED GETSYISW
000C 3634

```

```

000C 3635      $VIELD EXE,0,<-      ; DEFINITION FOR EXESGL_DYNAMIC_FLAGS
000C 3636      OPA0,-              ; Reserve a window for OPA0
000C 3637      >
000C 3638
000C 3639      :
000C 3640      : WS_OPA0 - If set reserve the first 24 scan lines for an OPA0 window
000C 3641      :
000C 3642      :
000C 3643      : PARAMETER ADDRESS=exe$gl_wsflags,-;
000C 3644      : DEFAULT=0,-
000C 3645      : MAX=1,-
000C 3646      : MIN=0,-
000C 3647      : NAME=WS_OPA0,-
000C 3648      : BIT=EXESV_OPA0,-
000C 3649      : TYPE=<DYNAMIC,SYS>,-;
000C 3650      : UNIT=Boolean
000C 3651      :
000C 3652      : Define eight parameters which are used to pass information to the system
000C 3653      : startup procedure (STARTUP.COM).
000C 3654      :
000C 3655      : PARAMETER ADDRESS=SGN$GB_STARTUP_P1,-
000C 3656      : DEFAULT=<^A/ />,-
000C 3657      : MIN=<^A/ />,-
000C 3658      : MAX=<^A/zzzz/>,-
000C 3659      : NAME=STARTUP_P1,-
000C 3660      : SIZE=LONG,-
000C 3661      : TYPE=<ASCII,SYS>,-
000C 3662      : UNIT=Ascii
000C 3663      : PARAMETER ADDRESS=SGN$GB_STARTUP_P2,-
000C 3664      : DEFAULT=<^A/ />,-
000C 3665      : MIN=<^A/ />,-
000C 3666      : MAX=<^A/zzzz/>,-
000C 3667      : NAME=STARTUP_P2,-
000C 3668      : SIZE=LONG,-
000C 3669      : TYPE=<ASCII,SYS>,-
000C 3670      : UNIT=Ascii
000C 3671      : PARAMETER ADDRESS=SGN$GB_STARTUP_P3,-
000C 3672      : DEFAULT=<^A/ />,-
000C 3673      : MIN=<^A/ />,-
000C 3674      : MAX=<^A/zzzz/>,-
000C 3675      : NAME=STARTUP_P3,-
000C 3676      : SIZE=LONG,-
000C 3677      : TYPE=<ASCII,SYS>,-
000C 3678      : UNIT=Ascii
000C 3679      : PARAMETER ADDRESS=SGN$GB_STARTUP_P4,-
000C 3680      : DEFAULT=<^A/ />,-
000C 3681      : MIN=<^A/ />,-
000C 3682      : MAX=<^A/zzzz/>,-
000C 3683      : NAME=STARTUP_P4,-
000C 3684      : SIZE=LONG,-
000C 3685      : TYPE=<ASCII,SYS>,-
000C 3686      : UNIT=Ascii
000C 3687      : PARAMETER ADDRESS=SGN$GB_STARTUP_P5,-
000C 3688      : DEFAULT=<^A/ />,-
000C 3689      : MIN=<^A/ />,-
000C 3690      : MAX=<^A/zzzz/>,-
000C 3691      : NAME=STARTUP_P5,-

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000C 3692      SIZE=LONG,-
000C 3693      TYPE=<ASCII,SYS>,-
000C 3694      UNIT=ASCII
000C 3695      PARAMETER ADDRESS=SGN$GB_STARTUP_P6,-
000C 3696      DEFAULT=<^A/ />,-
000C 3697      MIN=<^A/ />,-
000C 3698      MAX=<^A/zzzz/>,-
000C 3699      NAME=STARTUP_P6,-
000C 3700      SIZE=LONG,-
000C 3701      TYPE=<ASCII,SYS>,-
000C 3702      UNIT=ASCII
000C 3703      PARAMETER ADDRESS=SGN$GB_STARTUP_P7,-
000C 3704      DEFAULT=<^A/ />,-
000C 3705      MIN=<^A/ />,-
000C 3706      MAX=<^A/zzzz/>,-
000C 3707      NAME=STARTUP_P7,-
000C 3708      SIZE=LONG,-
000C 3709      TYPE=<ASCII,SYS>,-
000C 3710      UNIT=ASCII
000C 3711      PARAMETER ADDRESS=SGN$GB_STARTUP_P8,-
000C 3712      DEFAULT=<^A/ />,-
000C 3713      MIN=<^A/ />,-
000C 3714      MAX=<^A/zzzz/>,-
000C 3715      NAME=STARTUP_P8,-
000C 3716      SIZE=LONG,-
000C 3717      TYPE=<ASCII,SYS>,-
000C 3718      UNIT=ASCII
000C 3719
000C 3720      .IF      NOT_DEFINED GETSYISW
000C 3721
000C 3722      .PAGE
000C 3723      .SBTTL  COMPUTED VALUES
000C 3724      .ALIGN  LONG
000C 3725      DEFINE SWP$GL_SHELLSIZ      ; PAGES REQUIRED FOR SHELL
000C 3726      .LONG  0
000C 3727
000C 3728      DEFINE SWP$GW_BAKPTE      ; PHD PAGES FOR BAK+WSLX+LCK+VAL
000C 3729      .WORD  0
000C 3730
000C 3731      DEFINE SWP$GW_EMPTPTE      ; EMPTY PHDPAGES
000C 3732      .WORD  0
000C 3733
000C 3734      DEFINE SWP$GW_WSLPTE      ; PHD PAGES FOR FIXED+WSL+PST
000C 3735      .WORD  0
000C 3736
000C 3737      DEFINE SWP$GB_SHLP1PT      ; P1 PAGE TABLES REQUIRED FOR SHELL
000C 3738      .BYTE  0
000C 3739
000C 3740      .BYTE  0
000C 3741      ; SPARE
000C 3742
000C 3742      DEFINE SWP$GL_BSLOTSZ      ; SIZE OF BALANCE SLOT
000C 3743      .LONG  0
000C 3744
000C 3744      DEFINE SWP$GL_MAP      ; SWAPPER MAP POINTER
000C 3745      .LONG  0
000C 3746
000C 3747
000C 3747      DEFINE SWP$GL_PHDBASVA      ; BASE ADDRESS OF PHD WINDOW
000C 3748

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000C 3749      .LONG      0      ;
000C 3750      ;
000C 3751      DEFINE     SGN$GL_PHDAPCNT      ; TOTAL SHELL HEADER PAGES
000C 3752      .LONG      0      ;
000C 3753      ;
000C 3754      DEFINE     SGN$GL_PHDLWCNT      ; COUNT OF LONGWORDS IN PHD
000C 3755      .LONG      0      ;
000C 3756      ;
000C 3757      DEFINE     SGN$GL_P1LWCNT      ; COUNT OF LW TO END OF P1 PAGETABLE
000C 3758      .LONG      0      ;
000C 3759      ;
000C 3760      DEFINE     SGN$GL_PHDPAGCT      ; TOTAL PHD PAGES LESS PAGE TABLES
000C 3761      .LONG      0      ;
000C 3762      ;
000C 3763      DEFINE     SGN$GL_PTPAGCNT      ; TOTAL PAGE TABLE COUNT
000C 3764      .LONG      0      ;
000C 3765      ;
000C 3766      DEFINE     MMG$GL_CTLBASVA      ; BASE ADDRESS IN CONTROL REGION
000C 3767      .LONG      0      ;
000C 3768      ;
000C 3769      ;
000C 3770      ; THE FOLLOWING TWO CELLS MUST BE ADJACENT
000C 3771      ;
000C 3772      DEFINE     EXE$AL_STACKS      ; ARRAY OF KERNEL MODE SYSTEM SPACE STACKS
000C 3773      .LONG      SWP$A_RSTK      ; SWAPPER STACK (ADJACENT TO NULL STACK)
000C 3774      DEFINE     EXE$GL_INTSTK      ; BASE OF INTERRUPT STACK
000C 3775      .LONG      0      ;
000C 3776      ;
000C 3777      ; THE PRECEDING TWO LONG WORDS MUST BE ADJACENT.
000C 3778      ;
000C 3779      ;
000C 3780      DEFINE     MMG$GL_GPTBASE      ; GLOBAL PAGE TABLE BASE ADDRESS
000C 3781      .LONG      0      ;
000C 3782      ;
000C 3783      DEFINE     MMG$GL_GPTE      ; BASE ADDRESS OF SPT PTES FOR GPT
000C 3784      .LONG      0      ; PAGES
000C 3785      ;
000C 3786      DEFINE     MMG$GL_MAXGPTE      ; HIGHEST GPTE ADDRESS
000C 3787      .LONG      0      ;
000C 3788      ;
000C 3789      DEFINE     MMG$GL_MAXSYSVA      ; HIGHEST SYSTEM VA (+1)
000C 3790      DEFINE     MMG$GL_FRESVA      ; SYNONYM
000C 3791      .LONG      0      ;
000C 3792      ;
000C 3793      DEFINE     MMG$GL_SPTBASE      ; BASE ADDRESS OF SPT (VIRTUAL)
000C 3794      .LONG      0      ;
000C 3795      ;
000C 3796      DEFINE     MMG$GL_SPTLEN      ; LENGTH OF SYSTEM PAGE TABLE
000C 3797      .LONG      0      ;
000C 3798      ;
000C 3799      DEFINE     MMG$GL_SYSPHD      ; VA OF SYSTEM PHD
000C 3800      .LONG      0      ;
000C 3801      ;
000C 3802      DEFINE     MMG$GL_SYSPHDLN      ; SIZE OF SYSTEM PHD IN BYTES
000C 3803      .LONG      0      ;
000C 3804      ;
000C 3805      DEFINE     SWP$GL_BALBASE      ; BASE VA OF BALANCE SLOTS FOR

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000C	3806	.LONG	0	: PROCESS HEADERS
000C	3807			
000C	3808	DEFINE	SWP\$GL_BALSPT	: BASE VA IN SPT FOR MAPPING BALANCE
000C	3809	.LONG	0	: SLOTS
000C	3810			
000C	3811	DEFINE	MMG\$GL_SBR	: SYSTEM BASE REGISTER
000C	3812	.LONG	0	:
000C	3813			
000C	3814	DEFINE	MMG\$GL_NPAGEDYN	: VA OF NON-PAGED POOL
000C	3815	.LONG	0	:
000C	3816			
000C	3817	DEFINE	MMG\$GL_NPAGNEXT	: NEXT VA FOR NON-PAGED POOL EXTENSION
000C	3818	.LONG	0	:
000C	3819			
000C	3820	DEFINE	MMG\$GL_IRPNEXT	: NEXT VA FOR IRP LIST EXTENSION
000C	3821	.LONG	0	:
000C	3822			
000C	3823	DEFINE	MMG\$GL_LRPNEXT	: NEXT VA FOR LRP LIST EXTENSION
000C	3824	.LONG	0	:
000C	3825			
000C	3826	DEFINE	MMG\$GL_SRPNEXT	: NEXT VA FOR SRP LIST EXTENSION
000C	3827	.LONG	0	:
000C	3828			
000C	3829	DEFINE	MMG\$GL_PAGEDYN	: VA OF PAGED POOL
000C	3830	.LONG	0	:
000C	3831			
000C	3832	DEFINE	MMG\$GL_MAXPFN	: MAXIMUM PFN FOR SYSTEM
000C	3833	.LONG	0	:
000C	3834			
000C	3835	DEFINE	MMG\$GL_MINPFN	: MINIMUM PFN IN PFN DATABASE
000C	3836	.LONG	0	:
000C	3837			
000C	3838	DEFINE	MMG\$GL_MAXMEM	: HIGHEST PFN MAPPED BY SYSBOOT
000C	3839	.LONG	0	: INCLUDES PAGES NOT IN PFN DATABASE
000C	3840			
000C	3841	DEFINE	EXE\$GL_RPB	: VIRTUAL ADDRESS OF RESTART PARAMETER BLK
000C	3842	.LONG	0	:
000C	3843			
000C	3844	DEFINE	BOO\$GL_SPTFREL	: LOWER VPN OF SPT FREE AREA
000C	3845	.LONG	0	:
000C	3846			
000C	3847	DEFINE	BOO\$GL_SPTFRELH	: HIGHER VPN OF SPT FREE AREA
000C	3848	.LONG	0	:
000C	3849			
000C	3850	DEFINE	EXE\$GL_SCB	: VIRTUAL ADDRESS OF SCB
000C	3851	.LONG	0	:
000C	3852			
000C	3853	DEFINE	EXE\$GL_ARCHFLAG	: ARCHITECTURAL FLAGS (BITS DEFINED
000C	3854	.LONG	0	: BY \$ARCDEF
000C	3855			
000C	3856	DEFINE	EXE\$GB_CPUDATA	: 16 BYTES OF DATA ABOUT THE CPU
000C	3857	.LONG	0,0,0,0	: 4 BYTES FOR SID, REST CPU SPECIFIC
000C	3858			
000C	3859	DEFINE	EXE\$GB_CPUYPE	: CPU TYPE READ FROM SID
000C	3860	.BYTE	0	:
000C	3861			
000C	3862	.IF	NDF,PRMSW	: SIZE OF PFN DATA BASE IN BYTES

```

000C 3863 PFNSC_WORD_LEN == 18 ; ... with word length FLINK and BLINK
000C 3864 PFNSC_LONG_LEN == 22 ; ... with longword length FLINK and BLINK
000C 3865 .ENDC ;
000C 3866
000C 3867 DEFINE PFNSGB_LENGTH ; Number of bytes per page in PFN data base
000C 3868 .BYTE PFNSC_WORD_LEN ; Defaults to word length FLINK and BLINK
000C 3869
000C 3870 DEFINE MMG$GW_BIGPFN ; Flag to indicate size of PFN FLINK, BLINK
000C 3871 .WORD 0 ; word for historical reasons
000C 3872
000C 3873 DEFINE EXE$GW_PGFL_FID ; FILE ID OF PAGEFILE.SYS
000C 3874 .WORD 0,0,0 ; IF FILE IS IN PAGE FILE
000C 3875
000C 3876 .ALIGN LONG ; LONGWORD ALIGN POINTERS
000C 3877 DEFINE PFNSA_BASE ; BASE OF PFN POINTERS
000C 3878 PFNLC L, PTE ; ADDRESS OF PAGE TABLE ENTRY
000C 3879 PFNLC L, BAK ; BACKING STORE ADDRESS
000C 3880 PFNLC W, REFCNT ; REFERENCE COUNT
000C 3881 PFNLC x, <FLINK, - ; FORWARD LINK
000C 3882 SHRCNT> ; ALSO USED AS GLOBAL SHARE COUNT
000C 3883 PFNLC x, <BLINK, - ; BACK LINK
000C 3884 WSLX> ; ALSO USED AS WORKING SET LIST INDEX
000C 3885 PFNLC W, SWPVBK ; SWAP IMAGE VIRTUAL BLOCK OFFSET
000C 3886 PFNLC B, STATE ; STATE OF PAGE
000C 3887 PFNLC B, TYPE ; TYPE OF PAGE
000C 3888
000C 3889 DEFINE EXE$GT_STARTUP ; NAME OF STARTUP COMMAND FILE
000C 3890 .ASCII /SYSS$SYSTEM:STARTUP.COM/ ; DEFAULT VALUE
000C 3891 .BLKB <32-<.-EXE$GT_STARTUP>> ; ALLOW FOR 31 BYTES + COUNT
000C 3892 .IF NDF, PRMSW ; IF EXEC VERSION
000C 3893 EXESC_SYSPARSZ==.-EXESA_SYSPARAM ; SIZE OF SYSTEM PARAMETERS
000C 3894 .IFF ;
000C 3895 .PSFCT $$$918, LONG ;
000C 3896 .LONG 0 ; FLAG TO MARK END
000C 3897 .ENDC ;
000C 3898
000C 3899 .PAGE
000C 3900 .SUBTITLE MMG$GL_PGDCOD Boundary of pageable exec
000C 3901
000C 3902 :- The cells in this module between the definition of EXESC_SYSPARSZ and
000C 3903 the definition of BOO$C_SYSPARSZ are used for communication between
000C 3904 SYSBOOT and SYS.EXE without interference from the SYSGEN USE and WRITE
000C 3905 commands. SYSBOOT uses BOO$C_SYSPARSZ as the size of the parameter area.
000C 3906 SYSGEN uses EXESC_SYSPARSZ as its size constant and so SYSGEN commands
000C 3907 do not affect the contents of cells that follow the definition of
000C 3908 EXESC_SYSPARSZ.
000C 3909
000C 3910 :- The cell called MMG$GL_PGDCOD contains the address of the boundary
000C 3911 between the nonpaged and pageable exec routines. This cell is used by
000C 3912 both INIT and SYSBOOT. It is initialized by SYSBOOT to point to the
000C 3913 beginning of the second page of patch area that lies between nonpaged
000C 3914 and pageable exec routines. If it is necessary to add another page of
000C 3915 nonpaged patch space, then this cell (from BOO$GL_PGDCOD in SYSBOOT) and
000C 3916 the first longword of the descriptor for the nonpaged read-only patch area
000C 3917 must have 512 added to their contents.
000C 3918 :-
000C 3919

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```

000C 3920      .IF      NDF,PRMSW
000C 3921      .PSECT   $$$917
000C 3922      .IIF
000C 3923      .PSECT   $$$917A
000C 3924      .ENDC
000C 3925
000C 3926      DEFINE      MMG$GL_PGDCOD      ; CELL THAT CONTAINS BOUNDARY
000C 3927      DEFINE      PAT$GL_EXP_NPG2    ; (SYNONYM)
000C 3928      .LONG      0
000C 3929
000C 3930      .IF      NDF,PRMSW
000C 3931
000C 3932      BOO$C_SYSPARSZ==.-EXESA_SYSPARAM      ; SIZE OF PARAMETER AREA READ BY SYSBOOT
000C 3933
000C 3934      :
000C 3935      : Bound pagable exec code to page boundary and define
000C 3936      : starting virtual address of this region.
000C 3937      :
000C 3938
000C 3939      .PSECT   Y$$$BEGIN_PAGEDCODE,PAGE
000C 3940      .ENDC
000C 3941
000C 3942      .ENDC      ; NOT_DEFINED GETSYISW
000C 3943
000C 3944      :
000C 3945      : Terminate the definition of the macro
000C 3946      :
000C 3947      .ENDM      SYI_GENERATE_TABLE
000C 3948
000C 3949      :
000C 3950      : Invoke the macro just defined (if this isn't getsyi)
000C 3951      :
000C 3952      .IIF      NOT_DEFINED GETSYISW,      SYI_GENERATE_TABLE

```



```

0194
0194
0194      .NLIST_CND
0194      PARAMETER      ADDRESS=EXESGL_DEFFLAGS,-      ;
0194                      DEFAULT=1,-      :
0194                      MAX=1,-      :
0194                      MIN=0,-      :
0194                      NAME=BUGREBOOT,-      :
0194                      BIT=EXESV_BUGREBOOT,-      :
0194                      TYPE=<DYNAMIC,SYS>,-      :
0194                      UNIT=Boolean
0194
0194      :
0194      : When GETSYSW is defined, the macro PARAMETER becomes a conduit to
0194      : a lower level macro SYI_ITEM_CODE. In the fashion of JPI_ITEM_CODE and
0194      : DVI_ITEM_CODE, SYI_ITEM_CODE is called multiple times (once per item)
0194      : by the larger macro SYI_GENERATE_TABLE. This file becomes the definition
0194      : of SYI_GENERATE_TABLE when GETSYSW is defined.
0194
00000004 0194      :
0194      : OUTLEN = 4
0194
00000194 0194      PRMSAV...=      : SAVE LOC COUNTER
00001806 1806      .PSECT $$$918, LONG      :
00001838 1806      BAS...=      : SET BASE FOR THIS DESCRIPTOR
00001838 1838      .BLKB PRMSC_LENGTH      : GENERATE SPACE
00001838 1838      SAV...=      :
00001806 1838      PRM L_ADDR      :
00001806 1806      .BAS...+PRMSL_ADDR      :
00000000' 1806      .LONG EXESGL_DEFFLAGS      :
0000180A 180A      PRM L_DEFAULT      :
0000180A 180A      .BAS...+PRMSL_DEFAULT      :
00000001 180A      .LONG 1      :
0000180E 180E      PRM L_MIN      :
0000180E 180E      .BAS...+PRMSL_MIN      :
00000000 180E      .LONG 0      :
00001812 1812      PRM L_MAX      :
00001812 1812      .BAS...+PRMSL_MAX      :
00000001 1812      .LONG 1      :
0000181C 1816      PRM T_NAME      :
0000181C 1816      .BAS...+PRMST_NAME      :
54 4F 4F 42 45 52 47 55 42 00' 181C      .ASCIC %BUGREBOOT%      :
09 181C      :
0000182C 1826      PRM T_UNIT      :
0000182C 1826      .BAS...+PRMST_UNIT      :
6E 61 65 6C 6F 6F 42 00' 182C      .ASCIC %Boolean%      :
07 182C      :
0000181A 1834      PRM B_SIZE      : SET FIELD LONG
0000181A 181A      .BAS...+PRMSB_SIZE      :
01 181A      .BYTE 1      :
181B      PRM B_POS      :

```

```

0000181B 181B      . =BAS...+PRMSB_POS      ;
          181B      .BYTE    EXESV BUGREBOOT      ;
          0D 181B      PRM      L  FLAGS          ;
00001816 181C      . =BAS...+PRMSL_FLAGS          ;
          1816      TYP...=0      ;
00000000 1816      .IRP      TYPNAM,<DYNAMIC,SYS>      ;
          1816      TYP...=TYP...!PRMSM_'TYPNAM      ;
          1816      .IF NB EXESV BUGREBOOT      ; DEFINE PRMSM_DYNFLAGS
          1816      .IF EQ PRMSM_'TYPNAM-PRMSM_DYNAMIC
          1816      .IF IDN EXESGL_DEFFLAGS,EXESGL_DEFFLAGS
          1816      PRMSM_DYNFLAGS== PRMSM_DYNFLAGS!<1@EXESV_BUGREBOOT>
          1816      .ENDC
          1816      .ENDC
          1816      .ENDC
          1816      .ENDR
00000001 1816      TYP...=TYP...!PRMSM_DYNAMIC      ;
          1816      PRMSM_DYNFLAGS == PRMSM_DYNFLAGS!<1@EXESV_BUGREBOOT>
00002000 1816      TYP...=TYP...!PRMSM_SYS ;
          1816
          1816
00000041 1816      .LONG    TYP...      ;
          1816      . =SAV...      ; REPOSITION LOCATION COUNTER
00001838 181A      .PSECT $$$917A,PAGE      ; BACK TO NORMAL PSECT
          0000 0194      . =PRMSAV...      ; RESTORE LOCATION COUNTER
00000194 0194
          0194
          0194

```

PARAMETER  
V04-000

G 1  
- PARAMETER DESCRIPTORS FOR SYSPARAM 16-SEP-1984 00:45:38 VAX/VMS Macro V04-00  
MMG\$GL\_PGDCOD Boundary of pageable exec 5-SEP-1984 03:55:49 [SYS.SRC]SYSPARAM.MAR;1

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03F0 3953  
03F0 3954

.IIF NOT\_DEFINED GETSYISW, .END ; PREFIX FILE, IF GETSYISW

PARAMETER  
Symbol table

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- PARAMETER DESCRIPTORS FOR SYSPARAM

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ACPSGB_BASEPRIO	*****	X	03
ACPSGB_DATACHK	*****	X	03
ACPSGB_MAXREAD	*****	X	03
ACPSGB_SWAPFLGS	*****	X	03
ACPSGB_WINDOW	*****	X	03
ACPSGB_WRITBACK	*****	X	03
ACPSGW_DINDXCACHE	*****	X	03
ACPSGW_DIRCACHE	*****	X	03
ACPSGW_EXTCACHE	*****	X	03
ACPSGW_EXTLIMIT	*****	X	03
ACPSGW_FIDCACHE	*****	X	03
ACPSGW_HDRCACHE	*****	X	03
ACPSGW_MAPCACHE	*****	X	03
ACPSGW_QUOCACHE	*****	X	03
ACPSGW_SYSACC	*****	X	03
ACPSGW_WORKSET	*****	X	03
BAS...	= 000032FA	R	03
BIT...	= 00000001		
BOOSA_PMBLK	00000000	RG	03
BOOSA_SYSPARAM	00000000	RG	02
BOOSGL_SPTFREN	00000384	R	02
BOOSGL_SPTFREL	00000380	R	02
CLUSGB_QDISK	*****	X	03
CLUSGB_VAXCLUSTER	*****	X	03
CLUSGL_ALLOCLS	*****	X	03
CLUSGW_LCKDIRWT	*****	X	03
CLUSGW_QDSKINTERVAL	*****	X	03
CLUSGW_QDSKVOTES	*****	X	03
CLUSGW_QUORUM	*****	X	03
CLUSGW_RECINXINT	*****	X	03
CLUSGW_VOTES	*****	X	03
DEDUCTIBLE	= 00000001		
EXESAL_STACKS	00000324	R	02
EXESA_SYSPARAM	00000000	R	02
EXESGB_CPUDATA	00000390	R	02
EXESGB_CPUTYPE	000003A0	R	02
EXESGL_ARCHFLAG	0000038C	R	02
EXESGL_CLITABL	*****	X	03
EXESGL_DEFFLAGS	*****	X	03
EXESGL_DYNAMIC_FLAGS	*****	X	03
EXESGL_INTSTK	00000328	R	02
EXESGL_LOCKRTRY	*****	X	03
EXESGL_MSGFLAGS	*****	X	03
EXESGL_RPB	0000037C	R	02
EXESGL_RTIMESPT	*****	X	03
EXESGL_SCB	00000388	R	02
EXESGL_STATIC_FLAGS	*****	X	03
EXESGL_SYSUIC	*****	X	03
EXESGL_TODR	00000008	R	02
EXESGL_WSFLAGS	*****	X	03
EXESGL_TODCBASE	00000000	R	02
EXESGL_STARTUP	000003CC	R	02
EXESGW_PGFL_FID	000003A4	R	02
EXESV_BRK_DYSUSER	= 00000003	G	
EXESV_BRK_TERM	= 00000002	G	
EXESV_BUGDUMP	= 00000010	G	
EXESV_BUGREBOOT	= 0000000D	G	

EXESV_CJFLOAD	= 0000001D	G	
EXESV_CJFSYSRUJ	= 0000001E	G	
EXESV_CLASS_PROT	= 00000000	G	
EXESV_CONCEALED	= 00000012	G	
EXESV_CRDENABL	= 00000006	G	
EXESV_DISMOUMSG	= 00000001	G	
EXESV_EXPLICITP	= 00000014	G	
EXESV_EXPLICITIS	= 00000015	G	
EXESV_FATAL_BUG	= 0000000A	G	
EXESV_INIT	= 00000008	G	
EXESV_JOBQUEUES	= 0000001B	G	
EXESV_MOUNTMSG	= 00000000	G	
EXESV_MULTACP	= 0000000B	G	
EXESV_NOAUTOCNF	= 00000001	G	
EXESV_NOCLOCK	= 00000005	G	
EXESV_NOCLUSTER	= 0000000C	G	
EXESV_OPAO	= 00000000	G	
EXESV_PGFIIDMP	= 00000019	G	
EXESV_PGFLCRIT	= 00000017	G	
EXESV_PGFLFRAG	= 00000016	G	
EXESV_POOLPGING	= 00000003	G	
EXESV_REBLDSYSO	= 00000001	G	
EXESV_REINITQUE	= 0000001C	G	
EXESV_RESALLOC	= 00000011	G	
EXESV_SAVEDUMP	= 0000001A	G	
EXESV_SBIERR	= 00000007	G	
EXESV_SETTIME	= 00000009	G	
EXESV_SHRF11ACP	= 0000000F	G	
EXESV_SIMULATOR	= 00000004	G	
EXESV_SSIINHIBIT	= 00000013	G	
EXESV_SYSPAGING	= 00000002	G	
EXESV_SYSUAFALT	= 0000000E	G	
EXESV_SYSWRTABL	= 00000000	G	
EXESV_TBCHK	= 00000018	G	
EXESV_WRTESYSPARAMS	= 00000001	G	
EXESV_XQP_RESIDENT	= 00000000	G	
IOCSGB_LAMAPREG	*****	X	03
IOCSGW_MAXBUF	*****	X	03
IOCSGW_MBXBFQUO	*****	X	03
IOCSGW_MBXMXMSG	*****	X	03
IOCSGW_MBXNMMSG	*****	X	03
IOCSGW_MVTIMEOUT	*****	X	03
IOCSGW_XFMXRATE	*****	X	03
LCK\$GL_EXTRASTK	*****	X	03
LCK\$GL_HTBLSIZ	*****	X	03
LCK\$GL_IDTBLMAX	*****	X	03
LCK\$GL_IDTBLISZ	*****	X	03
LCK\$GL_WAITTIME	*****	X	03
LNMSGL_HTBLSIZP	*****	X	03
LNMSGL_HTBLSIZS	*****	X	03
MMG\$GL_CTLBASVA	00000320	R	02
MMG\$GL_FRESVA	00000338	R	02
MMG\$GL_GPTBASE	0000032C	R	02
MMG\$GL_GPTE	00000330	R	02
MMG\$GL_IRPNEXT	00000360	R	02
MMG\$GL_LRPNEXT	00000364	R	02
MMG\$GL_MAXGPTE	00000334	R	02



PARAMETER  
Symbol table

- PARAMETER DESCRIPTORS FOR SYSPARAM<sup>1</sup>

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MMG\$GL_MAXMEM	00000378	R	02	OPS_CVTDW	= 00000069
MMG\$GL_MAXPFN	00000370	R R	02	OPS_CVTFB	= 00000048
MMG\$GL_MAXSYSVA	00000338	R R	02	OPS_CVTFD	= 00000056
MMG\$GL_MINPFN	00000374	R R	02	OPS_CVTFG	= 000099FD
MMG\$GL_NPAGEDYN	00000358	R R	02	OPS_CVTFH	= 000098FD
MMG\$GL_NPAGNEXT	0000035C	R R	02	OPS_CVTFL	= 0000004A
MMG\$GL_PAGEDYN	0000036C	R R	02	OPS_CVTFW	= 00000049
MMG\$GL_PGDCOD	000003EC	R	02	OPS_CVTGB	= 000048FD
MMG\$GL_PHYPGCNT	*****	X	03	OPS_CVTGF	= 000033FD
MMG\$GL_SBR	00000354	R	02	OPS_CVTGH	= 000056FD
MMG\$GL_SPTBASE	0000033C	R R	02	OPS_CVTGL	= 00004AFD
MMG\$GL_SPTLEN	00000340	R R	02	OPS_CVTGW	= 000049FD
MMG\$GL_SRPNEXT	00000368	R R	02	OPS_CVTHB	= 000068FD
MMG\$GL_SYSPHD	00000344	R R	02	OPS_CVTHD	= 0000F7FD
MMG\$GL_SYSPHDLN	00000348	R R	02	OPS_CVTHF	= 0000F6FD
MMG\$GW_BIGPFN	000003A2	R R	02	OPS_CVTHG	= 000076FD
MPW\$AW_INITVAL	00000084	R	02	OPS_CVTHL	= 00006AFD
MPW\$GB_PPIO	*****	X	03	OPS_CVTHW	= 000069FD
MPW\$GL_THRESH	*****	X X	03	OPS_CVTLD	= 0000006E
MPW\$GL_WAITLIM	*****	X X	03	OPS_CVTLF	= 0000004E
MPW\$GW_HILIM	*****	X X	03	OPS_CVTLG	= 00004EFD
MPW\$GW_LOLIM	*****	X X	03	OPS_CVTLH	= 00006EFD
MPW\$GW_MPWPFC	*****	X	03	OPS_CVTLP	= 000000F9
OPS_ACB0	= 0000006F			OPS_CVTPL	= 00000036
OPS_ACBF	= 0000004F			OPS_CVTPS	= 00000008
OPS_ACBG	= 00004FFD			OPS_CVTPT	= 00000024
OPS_ACBH	= 00006FFD			OPS_CVTRDL	= 0000006B
OPS_ADDD2	= 00000060			OPS_CVTRFL	= 0000004B
OPS_ADDD3	= 00000061			OPS_CVTRGL	= 000048FD
OPS_ADDF2	= 00000040			OPS_CVTRLH	= 000068FD
OPS_ADDF3	= 00000041			OPS_CVTSP	= 00000009
OPS_ADDG2	= 000040FD			OPS_CVTTP	= 00000026
OPS_ADDG3	= 000041FD			OPS_CVTWD	= 0000006D
OPS_ADDH2	= 000060FD			OPS_CVTWF	= 0000004D
OPS_ADDH3	= 000061FD			OPS_CVTWG	= 00004DFD
OPS_ADDP4	= 00000020			OPS_CVTWH	= 00006DFD
OPS_ADDP6	= 00000021			OPS_DIVD2	= 00000066
OPS_ASHP	= 000000F8			OPS_DIVD3	= 00000067
OPS_CLRD	= 0000007C			OPS_DIVF2	= 00000046
OPS_CLRF	= 000000D4			OPS_DIVF3	= 00000047
OPS_CLRG	= 0000007C			OPS_DIVG2	= 000046FD
OPS_CLRH	= 00007CFD			OPS_DIVG3	= 000047FD
OPS_CMPD	= 00000071			OPS_DIVH2	= 000066FD
OPS_CMPF	= 00000051			OPS_DIVH3	= 000067FD
OPS_CMPG	= 000051FD			OPS_DIVP	= 00000027
OPS_CMPH	= 000071FD			OPS_EDITPC	= 00000038
OPS_CMPP3	= 00000035			OPS_EMODD	= 00000074
OPS_CMPP4	= 00000037			OPS_EMODF	= 00000054
OPS_CRC	= 0000000B			OPS_EMODG	= 000054FD
OPS_CVTBD	= 0000006C			OPS_EMODH	= 000074FD
OPS_CVTBF	= 0000004C			OPS_MATCHC	= 00000039
OPS_CVTBG	= 00004CFD			OPS_MNEGD	= 00000072
OPS_CVTBH	= 00006CFD			OPS_MNEGF	= 00000052
OPS_CVTDB	= 00000068			OPS_MNEGG	= 000052FD
OPS_CVTDF	= 00000076			OPS_MNEGH	= 000072FD
OPS_CVTDH	= 000032FD			OPS_MOVD	= 00000070
OPS_CVTDL	= 0000006A			OPS_MOVF	= 00000050

PARAMETER  
Symbol table

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OPS_MOVG	= 000050FD			PQL\$GDDIOLM	*****	X	03
OPS_MOVH	= 000070FD			PQL\$GDENQLM	*****	X	03
OPS_MOVEP	= 00000034			PQL\$GDFILLM	*****	X	03
OPS_MOVEVC	= 0000002E			PQL\$GDJTQUOTA	*****	X	03
OPS_MOVEVUC	= 0000002F			PQL\$GDPGFLQUOTA	*****	X	03
OPS_MULD2	= 00000064			PQL\$GDPRCLM	*****	X	03
OPS_MULD3	= 00000065			PQL\$GDTQELM	*****	X	03
OPS_MULF2	= 00000044			PQL\$GDWSDEFAULT	*****	X	03
OPS_MULF3	= 00000045			PQL\$GDWSEXTENT	*****	X	03
OPS_MULG2	= 000044FD			PQL\$GDWSQUOTA	*****	X	03
OPS_MULG3	= 000045FD			PQL\$GMASTLM	*****	X	03
OPS_MULH2	= 000064FD			PQL\$GMBIOLM	*****	X	03
OPS_MULH3	= 000065FD			PQL\$GMBYTLM	*****	X	03
OPS_MULP	= 00000025			PQL\$GMCPULM	*****	X	03
OPS_POLYD	= 00000075			PQL\$GMDIOLM	*****	X	03
OPS_POLYF	= 00000055			PQL\$GMENQLM	*****	X	03
OPS_POLYG	= 000055FD			PQL\$GMFILLM	*****	X	03
OPS_POLYH	= 000075FD			PQL\$GMJTQUOTA	*****	X	03
OPS_SCANC	= 0000002A			PQL\$GMPGFLQUOTA	*****	X	03
OPS_SKPC	= 0000003B			PQL\$GMPRCLM	*****	X	03
OPS_SPANC	= 0000002B			PQL\$GMTQELM	*****	X	03
OPS_SUBD2	= 00000062			PQL\$GMWSDEFAULT	*****	X	03
OPS_SUBD3	= 00000063			PQL\$GMWSEXTENT	*****	X	03
OPS_SUBF2	= 00000042			PQL\$GMWSQUOTA	*****	X	03
OPS_SUBF3	= 00000043			PQL\$ASTLM	= 00000001		
OPS_SUBG2	= 000042FD			PQL\$BIOLM	= 00000002		
OPS_SUBG3	= 000043FD			PQL\$BYTLM	= 00000003		
OPS_SUBH2	= 000062FD			PQL\$CPULM	= 00000004		
OPS_SUBH3	= 000063FD			PQL\$DIOLM	= 00000005		
OPS_SBP4	= 00000022			PQL\$ENQLM	= 0000000C		
OPS_SBP6	= 00000023			PQL\$FILLM	= 00000006		
OPS_TSTD	= 00000073			PQL\$JTQUOTA	= 0000000E		
OPS_TSTF	= 00000053			PQL\$LENGTH	= 0000000F		
OPS_TSTG	= 000053FD			PQL\$PGFLQUOTA	= 00000007		
OPS_TSTH	= 000073FD			PQL\$PRCLM	= 00000008		
OUTLEN	= 00000004			PQL\$TQELM	= 00000009		
PAT\$GL_EXP_NPG2	000003EC	R	02	PQL\$WSDEFAULT	= 0000000B		
PFNSAB_STATE	000003C4	R	02	PQL\$WSEXTENT	= 0000000D		
PFNSAB_TYPE	000003C8	R	02	PQL\$WSQUOTA	= 0000000A		
PFNSAL_BAK	000003B0	R	02	PQL\$AV...	= 0000026F	R	02
PFNSAL_PTE	000003AC	R	02	PQL_M_DEDUCT	= 000000C1		
PFNSAW_REFCNT	000003B4	R	02	PQL_V_DEDUCT	= 00000000		
PFNSAW_SWPVBN	000003C0	R	02	PRMSB_POS	= 00000015		
PFNSAX_BLINK	000003BC	R	02	PRMSB_SIZE	= 00000014		
PFNSAX_FLINK	000003B8	R	02	PRMSC_BYTE	= 00000008		
PFNSAX_SHRCNT	000003B8	R	02	PRMSC_LENGTH	= 00000032		
PFNSAX_WSLX	000003BC	R	02	PRMSC_LONG	= 00000020		
PFNSA_BASE	000003AC	R	02	PRMSC_MAXNAMLEN	= 0000000F		
PFNSC_WORD_LEN	*****	X	02	PRMSC_MAXUNILEN	= 0000000B		
PFNSGB_LENGTH	000003A1	R	02	PRMSC_OCTA	= 00000080		
PQL\$AB_FLAG	0000025F	R	02	PRMSC_QUAD	= 00000040		
PQL\$AL_DEFAULT	000001E4	R	02	PRMSC_WORD	= 00000010		
PQL\$AL_MIN	00000220	R	02	PRMSL_ADDR	= 00000000		
PQL\$GDASTLM	*****	X	03	PRMSL_DEFAULT	= 00000004		
PQL\$GDBIOLM	*****	X	03	PRMSL_FLAGS	= 00000010		
PQL\$GDBYTLM	*****	X	03	PRMSL_MAX	= 0000000C		
PQL\$GDCPULM	*****	X	03	PRMSL_MIN	= 00000008		

PARAMETER  
Symbol table

K 1  
- PARAMETER DESCRIPTORS FOR SYSPARAM

16-SEP-1984 00:45:38 VAX/VMS Macro V04-00  
5-SEP-1984 03:55:49 [SYS.SRC]SYSPARAM.MAR;1

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```
PRMSM_ACP      = 00000008
PRMSM_ASCII    = 00010000
PRMSM_CLUSTER  = 00008000
PRMSM_DYNAMIC  = 00000001
PRMSM_DYNFLAGS = 00002C02 G
PRMSM_JBC      = 00000010
PRMSM_LGI      = 00020000
PRMSM_MAJOR    = 00000400
PRMSM_NEG      = 00001000
PRMSM_PQL      = 00000800
PRMSM_RMS      = 00000020
PRMSM_SCS      = 00004000
PRMSM_SPECIAL  = 00000080
PRMSM_STATIC   = 00000002
PRMSM_SYS      = 00000040
PRMSM_SYSGEN   = 00000004
PRMSM_TTY      = 00002000
PRMST_NAME     = 00000016
PRMST_UNIT     = 00000026
PRMSA0...      = 000002F0 R 02
PRMSW          = 00000001
SAV...         = 0000332C R 03
SCH$GL_AWSTIME ***** X 03
SCH$GL_BORROWLIM ***** X 03
SCH$GL_GROWLIM ***** X 03
SCH$GL_PFRATH ***** X 03
SCH$GL_PFRATL ***** X 03
SCH$GL_PFRATS ***** X 03
SCH$GL_SWPRATE ***** X 03
SCH$GL_WSDEC ***** X 03
SCH$GL_WSINC ***** X 03
SCH$GW_AWSMIN ***** X 03
SCH$GW_DORMANTWAIT ***** X 03
SCH$GW_IOTA ***** X 03
SCH$GW_LONGWAIT ***** X 03
SCH$GW_QUAN ***** X 03
SCH$GW_SWPFAIL ***** X 03
SCS$GB_NODENAME ***** X 03
SCS$GB_PAMXPORT ***** X 03
SCS$GB_PANOPOLL ***** X 03
SCS$GB_PANPOLL ***** X 03
SCS$GB_PASANITY ***** X 03
SCS$GB_SYSTEMID ***** X 03
SCS$GB_SYSTEMIDH ***** X 03
SCS$GB_UDABURST ***** X 03
SCS$GW_BDTCNT ***** X 03
SCS$GW_CDTCNT ***** X 03
SCS$GW_FLOWCUSH ***** X 03
SCS$GW_MAXDG ***** X 03
SCS$GW_MAXMSG ***** X 03
SCS$GW_PAPOLINT ***** X 03
SCS$GW_PAPOLIN ***** X 03
SCS$GW_PAPPDDG ***** X 03
SCS$GW_PASTMOUT ***** X 03
SCS$GW_PRCPOLINT ***** X 03
SCS$GW_RDTCNT ***** X 03
SGN$GB_KFILSTCT ***** X 03
```

```
SGN$GB_PGTBPC ***** X 03
SGN$GB_STARTUP_P1 ***** X 03
SGN$GB_STARTUP_P2 ***** X 03
SGN$GB_STARTUP_P3 ***** X 03
SGN$GB_STARTUP_P4 ***** X 03
SGN$GB_STARTUP_P5 ***** X 03
SGN$GB_STARTUP_P6 ***** X 03
SGN$GB_STARTUP_P7 ***** X 03
SGN$GB_STARTUP_P8 ***** X 03
SGN$GB_SYSPFC ***** X 03
SGN$GB_TAILORED ***** X 03
SGN$GL_BALSETCT ***** X 03
SGN$GL_EXTRACPU ***** X 03
SGN$GL_EXUSRSTK ***** X 03
SGN$GL_FREEGOAL ***** X 03
SGN$GL_FREELIM ***** X 03
SGN$GL_GBLPAGFIL ***** X 03
SGN$GL_IRPCNT ***** X 03
SGN$GL_IRPCNTV ***** X 03
SGN$GL_LOADFLAGS ***** X 03
SGN$GL_LRPCNT ***** X 03
SGN$GL_LRPCNTV ***** X 03
SGN$GL_LRPMIN ***** X 03
SGN$GL_LRPSIZE ***** X 03
SGN$GL_MAXGPGCT ***** X 03
SGN$GL_MAXVPGCT ***** X 03
SGN$GL_MAXWSCNT ***** X 03
SGN$GL_NPAGEDYN ***** X 03
SGN$GL_NPAGEVIR ***** X 03
SGN$GL_P1LWCNT 00000314 R 02
SGN$GL_PAGEDYN ***** X 03
SGN$GL_PE1 ***** X 03
SGN$GL_PE2 ***** X 03
SGN$GL_PE3 ***** X 03
SGN$GL_PE4 ***** X 03
SGN$GL_PE5 ***** X 03
SGN$GL_PE6 ***** X 03
SGN$GL_PHDAPCNT 0000030C R 02
SGN$GL_PHDLWCNT 00000310 R R 02
SGN$GL_PHDPACT 00000318 R R 02
SGN$GL_PTPAGCNT 0000031C R 02
SGN$GL_SPTREQ ***** X 03
SGN$GL_SRPCNT ***** X 03
SGN$GL_SRPCNTV ***** X 03
SGN$GL_SRPMIN ***** X 03
SGN$GL_SRPSIZE ***** X 03
SGN$GL_USER3 ***** X 03
SGN$GL_USER4 ***** X 03
SGN$GL_USERD1 ***** X 03
SGN$GL_USERD2 ***** X 03
SGN$GL_VMS5 ***** X 03
SGN$GL_VMS6 ***** X 03
SGN$GL_VMS7 ***** X 03
SGN$GL_VMS8 ***** X 03
SGN$GL_VMSD1 ***** X 03
SGN$GL_VMSD2 ***** X 03
SGN$GL_VMSD3 ***** X 03
```



SGN\$GL\_VMSD4  
SGN\$GW\_CTLIMGLIM  
SGN\$GW\_CTLPAGES  
SGN\$GW\_DFPFC  
SGN\$GW\_GBLSECNT  
SGN\$GW\_IMGIOCNT  
SGN\$GW\_ISPPGCT  
SGN\$GW\_MAXPRCCT  
SGN\$GW\_MAXPSTCT  
SGN\$GW\_MINWSCNT  
SGN\$GW\_PAGFILCT  
SGN\$GW\_PCHANCNT  
SGN\$GW\_PIOPAGES  
SGN\$GW\_PIXSCAN  
SGN\$GW\_SWPFILS  
SGN\$GW\_SYSDWSCNT  
SGN\$GW\_TPWAIT  
SGN\$GW\_WSLMXSKP  
SGN\$V\_LOADCHKPRT  
SGN\$V\_LOADERAPAT  
SGN\$V\_LOADMTACCESS  
SIZ...  
SWP\$A\_KSTK  
SWP\$GB\_PRI0  
SWP\$GB\_SHLP1PT  
SWP\$GL\_BALBASE  
SWP\$GL\_BALSPT  
SWP\$GL\_BSL0TSZ  
SWP\$GL\_MAP  
SWP\$GL\_PHDBASVA  
SWP\$GL\_SHELLSIZ  
SWP\$GL\_SWPPGCNT  
SWP\$GW\_BAKPTE  
SWP\$GW\_EMPTYPT  
SWP\$GW\_SWPINC  
SWP\$GW\_WSLPTE  
SYS\$GB\_BRK\_LIM  
SYS\$GB\_DEFPRI  
SYS\$GB\_DEFQUEPRI  
SYS\$GB\_DFMBC  
SYS\$GB\_DFMBFHSH  
SYS\$GB\_DFMBFIDX  
SYS\$GB\_DFMBFREL  
SYS\$GB\_DFMBFSDK  
SYS\$GB\_DFMBFSMT  
SYS\$GB\_DFMBFSUR  
SYS\$GB\_DFNBC  
SYS\$GB\_MAXQUEPRI  
SYS\$GB\_PWD\_TMO  
SYS\$GB\_RETRY\_LIM  
SYS\$GB\_RETRY\_TMO  
SYS\$GB\_RMSPROLOG  
SYS\$GL\_BRK\_TMO  
SYS\$GL\_HID\_TIM  
SYS\$GW\_BJOB\_LIM  
SYS\$GW\_FILEPROT  
SYS\$GW\_GBLBUFQUO

[illegible]

SYSS\$GW_IJOBLIM	*****	X	03
SYSS\$GW_NJOBLIM	*****	X	03
SYSS\$GW_RJOBLIM	*****	X	03
SYSS\$GW_RMSEXTEND	*****	X	03
TTSC_BAUD 9600	= 0000000F		
TTSM_LOWER	= 00000080		
TTSM_SCOPE	= 00001000		
TTSM-TTSYNC	= 00000020		
TTSM_WRAP	= 00000200		
TT\$V_PAGE	= 00000018		
TT2\$M_AUTOBAUD	= 00000002		
TT2\$M_EDITING	= 00001000		
TTY\$GB_AUTOCHAR	*****	X	03
TTY\$GB_DEFSPEED	*****	X	03
TTY\$GB_DIALTY	*****	X	03
TTY\$GB_PARITY	*****	X	03
TTY\$GB_RSPEED	*****	X	03
TTY\$GB_SILOTIME	*****	X	03
TTY\$GL_DEFCHAR	*****	X	03
TTY\$GL_DEFCHAR2	*****	X	03
TTY\$GL_DEFPORT	*****	X	03
TTY\$GL_DELTA	*****	X	03
TTY\$GL_OWNUIC	*****	X	03
TTY\$GL_TIMEOUT	*****	X	03
TTY\$GW_ALTALARM	*****	X	03
TTY\$GW_ALTYPAHD	*****	X	03
TTY\$GW_CLASSNAM	*****	X	03
TTY\$GW_DEFBUF	*****	X	03
TTY\$GW_DMASIZE	*****	X	03
TTY\$GW_PROT	*****	X	03
TTY\$GW_TYPAHDSZ	*****	X	03
TYP...	= 00010040		

	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
==	0000000F		
	00000080		
	00001000		
	00000020		
	00000200		
	00000018		
	00000002		
==	00001000		
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
	☆☆☆☆☆☆	X	03
=	00010040		



-----  
! Psect synopsis !  
-----

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 ( 0.)	00 ( 0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 ( 0.)	01 ( 1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
\$\$\$917A	000003F0 ( 1008.)	02 ( 2.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC PAGE
\$\$\$918	00003330 (13104.)	03 ( 3.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

-----  
! Performance indicators !  
-----

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.08	00:00:01.67
Command processing	123	00:00:00.84	00:00:05.11
Pass 1	1666	00:02:23.00	00:07:39.40
Symbol table sort	15	00:00:02.05	00:00:05.67
Pass 2	1107	00:00:25.81	00:01:22.84
Symbol table output	2	00:00:00.37	00:00:01.43
Psect synopsis output	0	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	2944	00:02:52.20	00:09:16.17

The working set limit was 3150 pages.  
540912 bytes (1057 pages) of virtual memory were used to buffer the intermediate code.  
There were 80 pages of symbol table space allocated to hold 1319 non-local and 0 local symbols.  
6707 source lines were read in Pass 1, producing 116 object records in Pass 2.  
302 pages of virtual memory were used to define 146 macros.

-----  
! Macro library statistics !  
-----

Macro library name	Macros defined
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	2
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	9
TOTALS (all libraries)	11

1049 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:PARAMETER/OBJ=OBJ\$:PARAMETER MSRC\$:PRMSW/UPDATE=(ENH\$:PRMSW)+MASD\$:[EMULAT.SRC]MISSING/UPDATE=(MASD\$:[EMULAT.ENH]MISS



0378 AH-BT13A-SE  
VAX/VMS V4.0

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500
501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800
801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000



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